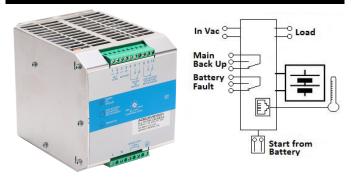
CBI485A ALL In One



Input: Single-phase 115 – 277 Vac Output Load: power supply 48 Vdc; 5 A Output Battery: charging 48 Vdc; 5 A

Suited for the following battery types: Open Lead Acid, Sealed

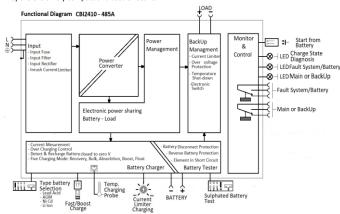
Lead Acid, lead Gel and Ni-Cd

Automatic diagnostic of battery status. Charging curve IUoU, constant voltage and constant current Battery Life Test function (Battery Care)

Switching technology, output voltage 44 – 57.6Vdc
Three charging levels: Boost, Float and Recovery
Protected against short circuit and inverted polarity
Signal output (contact free) for discharged or damaged battery
Signal output (contact free) for mains or Back-UP
Protection degree IP20 - DIN rail; Space saving

Technical features

Thanks to the All In One units (DC-UPS), it will be possible to optimize power management. The available power is automatically allocated between load and battery, supplying power to the load is the first priority of the unit thus it is not necessary to double the power, because also the power going to the battery will go to the load if the load so requires. The maximum available current on the load output is 2 times the value of the device rated current In. We call "Battery Care" the concept base on algorithms that implement rapid and automatic charging, battery charge optimization during time, flat batteries recovery and real time diagnostic during installation and operation. The Real Time Auto-diagnostic system, monitoring battery faults such as, battery Sulfated, elements in short circuit, accidental reverse polarity connection, disconnection of the battery, they can easily be detected and removed by help of Blink Code of Diagnosis Led; during the installation and after sell. The continuous monitoring of battery efficiency, reduces battery damage risk and allows a safe operation permanent connection. Each device is suited for all battery types, by means of jumpers it is possible setting predefined curves for Open Lead Acid, Sealed Lead Acid, Gel, Ni-Cd (option). They are programmed for two charging levels, boost and charge, but they can be changed to single charging level by the user. A rugged casing with bracket for DIN rail mounting provides IP20 protection degree.



Norms and Certifications

In Conformity to: c use EN60950 / UL60950-1 and CSA C22.2 No. 60950-1-07 (Information Technology Equipment) – Safety – Part1: General Requirement. Electrical safety; EN54-4 Fire Detection and fire alarm systems; 89/336/EEC EMC Directive; 2014/35/UE (Low Voltage); Safety EN IEC 62368-1: 2014/AC:2015; DIN41773 (Charging cycle); Emission: IEC 61000-6-4; Immunity: IEC 61000-6-2. CE.

Climatic Data

Ambient temperature (operation)	-25 ÷ +70°C
De Rating Ta > 50°C	- 2.5%(In) / °C
Ambient temperature Storage	-40 ÷ +85°C
Humidity at 25 °C no condensation	95% to 25°C
Altitude: 0 to 2 000m - 0 to 6 560ft	No restrictions
Altitude: 2 000 to 6 000m - 6 560 to 20 000ft	De-rating 5°C/1000m
Cooling	Auto convention
General Data	
Insulation voltage (IN/OUT)	3000 Vac
Insulation voltage (Input / Earth, PE)	2000 Vac
Insulation voltage (Out Load & Battery / Earth, PE)	500 Vac
Insulation voltage (Out Load & Battery / Fault System &	500 Vac
Main or Back Up terminal)	
Protection Class (EN/IEC 60529)	IP20
Reliability: MTBF IEC 61709	> 300.000 h
Pollution Degree Environment	2
Connection Terminal Blocks screw Type	2,5mm(24-14AWG)
Protection class (PE Connected)	I, with PE
Dimensions (w-h-d)	100x115x135 mm
Weight	0.85 kg approx.
Input Data	
Nominal Input Voltage Vac	115 – 230 – 277
Voltage range Vac	90 - 135 180 - 305

Inrush Current (Vn - In nom. Load) Pt 14 + 63 Hz Input Current (115 - 230 Vac) 5 - 2.5 A Internal Fuse (not replaceable) 6.3 A External Fuse (recommended) MCB curve B 16 A Cutput Data (internal power supply)	Input Current (115 - 230 Vac) Input Current (115 - 230 Vac) Internal fuse (not replaceable) 6.3 A External Fuse (recommended) MCB curve B 16 A Output Data (internal power supply)		
Input Current (115 – 230 Vac) 5 – 2.5 A Internal fuse (not replaceable) 6.3 A External Fuse (recommended) MCB curve B 16 A Output Data (internal power supply) Output Voltage (Vn) / Nominal Current (I _n) 48 Vdc / 5A Output Current I _n = Iload 5 A Efficiency (14 50% of rated current) ≥ 83 % Residual Ripple ≤ 80 mV _{pp} Turn-On delay after applying mains voltage 1.5 sec. (max) Start up with Strong Load (capacitive load) Yes, Unlimited Dissipation power load max (W) 28 Short-circuit protection Yes Over Load protection Yes Over Load protection Yes Over Undage Output protection Yes Battery Output Boost charge (25 °C) (at I _n) 57.6 Vdc Max.Time Boost-Bulk charge (Typ. at IN) 15 h Min.Time Boost-Bulk charge (Typ. at IN) 1 min. Float charge (25 °C) (at I _n) 27.5 Vdc Jumper Configuration battery type 2.23;2,25;2,27;2,3; (V/cell) NiCd:1,4; II-ion 3.45 Recovery Charge 2-24 Vdc Charging current max I _{batt} 5 A ±5% Charging current limiting I _{sel} 20 + 100 % / I _{batt} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Output voltage Vdc (at I _n) 44 - 57.6 V Nominal current I _{load} 1.1 x I _n A ± 5% Continuous current (Without battery) I _{loads} I _n I _n I _{bat} Continuous current (With battery) I _{loads} I _n I _n I _{bat} Threshold alarm Battery without Main (Remote Input Control) Order reference: CBI485A/S Threshold alarm Battery almost flat UVD. (Protections against total Batt. discharge) 40 - 42 Vdc batt Signal Output (Free switch contacts) Main or Backup Input Power Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60 Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Input Current (115 – 230 Vac) 5 – 2.5 A Internal Fuse (not replaceable) 6.3 A External Fuse (recommended) MCB curve B 16 A Output Data (internal power supply) Output Voltage (Vn) / Nominal Current (In) 48 Vdc / 5A Output Current In = Iload 5 A Efficiency (at 50% of rated current) 28 3 % Residual Ripple 5 80 mVpg Turn-On delay after applying mains voltage 1.5 sec. (max) Start up with Strong Load (capacitive load) Yes, Unlimited Dissipation power load max (W) 28 Short-circuit protection Yes Over Load protection Yes Over Load protection Yes Over Voltage Output protection Yes Battery Output Boost charge (25 °C) (at In) 57.6 Vdc Max.Time Boost-Bulk charge (Typ. at IN) 15 h Min.Time Boost-Bulk charge (Typ. at IN) 1 min. Float charge (25 °C) (at In) 27.5 Vdc Jumper Configuration battery type 2.23;2,25;2,27;2,3; (V/cell) Nicid:1,4; Li-ion 3.4 Recovery Charge 2 – 24 Vdc Charging current max I _{batt} 5 A ± 5% Charging current imiting I _{sdj} 20 + 100 % / I _{bat} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Other Configuration Short circuit Yes Quiescent Current max. \$100 mA Charging Curve automatic: IUOU 4 stage Remote Input Control (RTCONN cable) Boost / Float Continuous current (Without battery) I _{loadd Assc.} 10 A max. Start From Battery without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat 38 – 40 Vdc batt UVD. (Protections against total Batt. discharge) 40 – 42 Vdc batt UVD. (Protections against total Batt. discharge) 40 – 42 Vdc batt Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Yes Type of Signal Output Contact Protection of Signal Output Contact Main or Back Up C NC Main Area Continuous Current Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc		
Internal fuse (not replaceable) 16.3 A	Internal Fuse (not replaceable) 6.3 A External Fuse (recommended) MCB curve B 16 A		
External Fuse (recommended) MCB curve B Output Data (internal power supply) Output Voltage (Vn) / Nominal Current (In) Output Voltage (Vn) / Nominal Current (In) A8 Vdc / 5A Output Current In = Iload 5 A Efficiency (at 50% of rated current) Residual Ripple \$80 mVpp Turn-On delay after applying mains voltage 1.5 sec. (max) Start up with Strong Load (capacitive load) Yes, Unlimited Dissipation power load max (W) 28 Short-circuit protection Yes Over Load protection Yes Over Voltage Output protection Yes Over Voltage Output protection Yes Battery Output Boost charge (25 °C) (at In) Min.Time Boost-Bulk charge (Typ. at IN) Min.Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at In) Float charge (25 °C) (at In) Protection Recovery Charge 2 - 24 Vdc Charging current max I _{batt} Charging current limiting I _{adj} 20 + 100 × / I _{bat} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Quiescent Current max. \$100 mA Charging Curve automatic: IloU Remote Input Control (RTCONN cable) Boost / Float Output voltage Vdc (at In) Amx. current Output Load (Main) Iload (4 sec.) Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Yes Fault Battery or system Pyes of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60 Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60 Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	External Fuse (recommended) MCB curve B Output Data (internal power supply) Output Voltage (Vn) / Nominal Current (In)		
Output Voltage (Vn) / Nominal Current (In) 48 Vdc / 5A Output Current In = Iload 5 A Efficiency (14 50% of rated current) ≥ 83 % Residual Ripple ≤ 80 mV pp Turn-On delay after applying mains voltage 1.5 sec. (max) Start up with Strong Load (capacitive load) Yes, Unlimited Dissipation power load max (W) 28 Short-circuit protection Yes Over Load protection Yes Over Load protection Yes Over Load protection Yes Battery Output Boost charge (25 °C) (at In) 57.6 Vdc Max. Time Boost-Bulk charge (Typ. at IN) 15 h Min.Time Boost-Bulk charge (Typ. at IN) 1 min. Float charge (25 °C) (at In) 27.5 Vdc Jumper Configuration battery type (V/cell) NICd:1.4; Li-ion 3.45 Recovery Charge 2 - 24 Vdc Charging current Imitting Iad 20 + 100 % / Ibat Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Yes Detection of element in short circuit Yes Detection of element in short circuit Yes Remote Input Control (RTCONN cable) Boost / Float Continuous current (Without battery) Iloads In Short circuit United Short incurrent United Continuous current (Without battery) Iloads In Short Circuit Short circuit Short circuit (Without battery) Iloads In Short Circuit Short circuit (Without battery) Iloads In Short Continuous current (Without battery) Iloads In Short Continuous current (Without battery) Iloads In Short Circuit Short Short Circuit Short Short Short Circuit Short Short Short Short Short Short Short Short Short	Output Voltage (Vn) / Nominal Current (In) 48 Vdc / 5A Output Current In = Iload 5 A Efficiency (at 50% of rated current) ≥ 83 % Residual Ripple ≤ 80 mVpp Turn-On delay after applying mains voltage 1.5 sec. (max) Start up with Strong Load (capacitive load) Yes, Unlimited Dissipation power load max (W) 28 Short-circuit protection Yes Over Load protection Yes Over Voltage Output protection Yes (typ. 90 Vdc) Overheating Thermal protection Yes (typ. 90 Vdc) Overheating Thermal protection Yes Battery Output *** Boost Charge (25 °C) (at In) 57.6 Vdc Max. Time Boost-Bulk charge (Typ. at IN) 15 h Min. Time Boost-Bulk charge (Typ. at IN) 1 min. Float charge (25 °C) (at In) 27.5 Vdc Jumper Configuration battery type 2.23;2,25;2,27;2,3; (V/cell) NiCd:1,4; Li-ion 3.4 Recovery Charge 2 - 24 Vdc Charging current limiting land 20 + 100 % / land Reverse battery protection Yes		6.3 A
Output Voltage (Vn) / Nominal Current (In) Output Current In = Iload Efficiency (at 50% of rated current) Efficiency (at 50% of rated current) Efficiency (at 50% of rated current) Esa 3 % Residual Ripple Sa 0 mV _{pp} Turn-On delay after applying mains voltage 1.5 sec. (max) Start up with Strong Load (capacitive load) Ves, Unlimited Dissipation power load max (W) Short-circuit protection Yes Over Load protection Over Voltage Output protection Overheating Thermal protection Yes Over Voltage Output protection Yes Battery Output Boost charge (25 °C) (at In) Min.Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at In) Float charge (25 °C) Jumper Configuration battery type (V/cell) Min.Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) Jumper Configuration battery type (V/cell) Niccit.14; Li-ion 3.45 Recovery Charge 2 - 24 Vdc Charging current limiting Iagi Charging current limiting Iagi Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Yes Quiescent Current max. Short circuit Element Detection Yes Detection of element in short circuit Yes Quiescent Current max. Short circuit Element Detection Yes Detection of element in short circuit Yes Detection of element in short circuit Yes Output voltage Vdc (at In) Ad 4-57.6 V Nominal current l _{load} Continuous current (With battery) I _{load-1} In- Ibatt Output voltage Vdc (at In) Adx. current Output Load (Back Up)I _{load-1} In- Ibatt Output voltage Vdc (at In) Adx. current Output Load (Back Up)I _{load-1} In- Ibatt On A max. Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: "": standard Max. current Output Load (Back Up)I _{load-1} In- Ibatt On A max. Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: "": standard Max. current Output Load (B	Output Voltage (Vn) / Nominal Current (In) Output Current In = Iload 5 A Efficiency (at 50% of rated current) Residual Ripple ✓ 80 mVpp Turn-On delay after applying mains voltage 1.5 sec. (max) Start up with Strong Load (capacitive load) Ves, Unlimited Dissipation power load max (W) Short-circuit protection Yes Over Load protection Ves Over Voltage Output protection Overheating Thermal protection Ves Battery Output Boost charge (25 °C) (at In) Min.Time Boost-Bulk charge (Typ. at IN) Imin. Float charge (25 °C) (at In) Richards (V/cell) Float charge (25 °C) (at In) Recovery Charge 2 - 24 Vdc Charging current limiting Iagi Recovery Charge 2 - 24 Vdc Charging current limiting Iagi Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Yes Quiescent Current max. Charging Curve automatic: IUOU Astage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current Iload Continuous current (With battery) Iload-In Continuous current (With battery) Iload-In Start From Battery Without Main (Remote Input Control) Amx. current Output Load (Main) Iload-In Continuous current (With battery) Iload-In Start From Battery Without Main (Remote Input Control) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Time Buffering: min (switch off output without main input) Signal Output (free switch contacts) Main or Backup Input Power Yes Fault Battery or system Yes Fault Battery Load (Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Co NC NC Main or Back Up Co NC Main or Back Up Co NC Main or Back Up Co NC Main or Back Up Co NC	External Fuse (recommended) MCB curve B	16 A
Output Current In = Iload Efficiency (at 50% of rated current) Residual Ripple Turn-On delay after applying mains voltage 1.5 sec. (max) Start up with Strong Load (capacitive load) Pes, Unlimited Dissipation power load max (W) Sas Short-circuit protection Ves Over Load protection Ves Over Voltage Output protection Ves Overheating Thermal protection Ves Battery Output Boost charge (25 °C) (at In) Max.Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at In) Min.Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at In) Inin. Float charge (25 °C) (at In) All provided by the control of the charge (Typ. at IN) Jumper Configuration battery type Charging current max India to the charge (Typ. at IN) Charging current limiting India 20 + 100 % / India Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Quiescent Current max. Short circuit Element Detection Yes Quiescent Current max. Charging curve automatic: IUoU A stage Remote Input Control (RTCONN cable) Boost / Float Continuous current (With battery) India India (sec.) To A max. Start From Battery Without Main (Remote Input Control) Order reference: Max. current Output Load (Back Up)Iload-In-Ibatt Output voltage Vdc (at In) Awax. current Output Load (Back Up)Iload-In-Ibatt Output voltage Vdc (at In) Awax. current Output Load (Back Up)Iload-In-Ibatt Output voltage Vdc (at In) Awax. current Output Load (Back Up)Iload-In-Ibatt Output voltage Vdc (at In) Ayax. current Output Load (Back Up)Iload-In-Ibatt Output voltage Vdc (at In) Ayax. current Output Load (Back Up)Iload-In-Ibatt Continuous current (With battery) Iload-In-Ibatt Output voltage Vdc (at In) Ayax. current Output Load (Back Up)Iload-In-Ibatt Output Voltage Vdc (at In) Ayax. current Output Load (Back Up)Iload-In-Ibatt Continuous current (Without Bacter) From Battery Without Main (Remote Input Control) Order reference: Signal Output (Free switch	Output Current I _n = Iload Efficiency (at 50% of rated current) Residual Ripple Z80 mV _{pp} Turn-On delay after applying mains voltage 1.5 sec. (max) Start up with Strong Load (capacitive load) Pes, Unlimited Dissipation power load max (W) Z8 Short-circuit protection Yes Over Load protection Yes Over Voltage Output protection Yes Over Voltage Output protection Yes Overheating Thermal protection Yes Battery Output Boost charge (25 °C) (at I _n) Max. Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at I _n) S7.6 vdc Max. Time Boost-Bulk charge (Typ. at IN) I min. Float charge (25 °C) (at I _n) Z7.5 vdc Jumper Configuration battery type (2.23;2,25;2,27;2,3; (V/cell) Recovery Charge 2 - 24 vdc Charging current max I _{batt} 5 A ± 5% Charging current limiting I _{adj} Z0 + 100 % / I _{bat} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Quiescent Current max. Short circuit Element Detection Pes Sulfated battery check Quiescent Current max. Charging Curve automatic: IUoU A stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I _n) Max. current Output Load (Main) I _{load (4 sec.)} To A max. Max. current Output Load (Main) I _{load (4 sec.)} To A max. Start From Battery Without Main (Remote Input Control) Order reference: CBI485A/S Continuous current (Without battery) I _{load (4 sec.)} Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A	Output Data (internal power supply)	
Efficiency (at 50% of rated current) ≥ 83 m Residual Ripple ≤ 80 mV _{pp} Turn-On delay after applying mains voltage 1.5 sec. (max) Start up with Strong Load (capacitive load) Yes, Unlimited Dissipation power load max (W) 28 Short-circuit protection Yes Over Load protection Yes Over Voltage Output protection Yes (typ. 90 Vdc) Overheating Thermal protection Yes Max.Time Boost-Bulk charge (Typ. at IN) 15 h Min.Time Boost-Bulk charge (Typ. at IN) 1 min. Float charge (25 °C) (at I _n) 27.5 Vdc Jumper Configuration battery type 2.23;2,25;2,27;2,3; (V/cell) Nicd:1,4; Li-ion 3.45 Recovery Charge 2 - 24 Vdc Charging current max I _{batt} 5 A ± 5% Charging current limiting I _{baj} 20 + 100 % / I _{bat} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Yes Quiescent Current max. ≤ 100 mA Charging Curve automatic: IUoU 4 stage	Efficiency (at 50% of rated current) Residual Ripple S80 mVpp Turn-On delay after applying mains voltage 1.5 sec. (max) Start up with Strong Load (capacitive load) Pes, Unlimited Dissipation power load max (W) Short-circuit protection Over Load protection Over Load protection Over Voltage Output protection Yes Over Voltage Output protection Wes Battery Output Boost charge (25 °C) (at I₀) Max. Time Boost-Bulk charge (Typ. at IN) Min.Time Boost-Bulk charge (Typ. at IN) J min. Float charge (25 °C) (at I₀) Jumper Configuration battery type (V/cell) Recovery Charge 2-24 Vdc Charging current max I₀att Charging current limiting I₀aj 20 + 100 % / I₀at Reverse battery protection Yes Sulfated battery check Short circuit Element Detection Yes Quiescent Current max. ≤ 100 mA Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Boost / Float Output Voltage Vdc (at I₀) Max. current Output Load (Main) I₀ad (4 sec.) To A max. Max. current Output Load (Main) I₀ad (4 sec.) To A max. Start From Battery Without Main (Remote Input Control) Requires without Main (Remote Input Control) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Yes Type of Signal Output (Free switch contacts) Main or Backup Input Power Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Con NC Maxing path startery Remote Dutput Load (Back Up) Fault System / Low Battery Con NC Remote Input Control Contact Configuration spath of the switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Contact Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load)	Output Voltage (Vn) / Nominal Current (In)	48 Vdc / 5A
Residual Ripple Turn-On delay after applying mains voltage Turn-On delay after applying mains voltage Start up with Strong Load (capacitive load) Start up with Strong Load (capacitive load) Pes, Unlimited Dissipation power load max (W) Ses Short-circuit protection Ves Over Load protection Over Voltage Output protection Overheating Thermal protection Pes Battery Output Boost charge (25 °C) (at I₀) Max.Time Boost-Bulk charge (Typ. at IN) Min.Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at I₀) Jumper Configuration battery type (V/cell) Recovery Charge Charging current max I₀ast Charging current limiting I₃d Reverse battery protection Yes Sulfated battery check Short circuit Element Detection Pes Detection of element in short circuit Yes Quiescent Current max. Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Load Output Output voltage Vdc (at I₀) Max. current (With battery) I₀ada I₀ I₀ batt Start From Battery Without battery) I₀ada I₀ I₀ batt Max. current Output Load (Main) I₀ad I₀ sec.) Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Type of Signal Output (Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60 Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Residual Ripple	Output Current I _n = Iload	5 A
Turn-On delay after applying mains voltage Start up with Strong Load (capacitive load) Dissipation power load max (W) Short-circuit protection Over Load protection Over Load protection Over Voltage Output protection Overheating Thermal protection Yes Battery Output Boost charge (25 °C) (at I₁) Max.Time Boost-Bulk charge (Typ. at IN) Min.Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at I₂) Jumper Configuration battery type (V/cell) Recovery Charge Charging current max I₂₂₂ҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳҳ	Turn-On delay after applying mains voltage Start up with Strong Load (capacitive load) Dissipation power load max (W) Short-circuit protection Over Load protection Over Voltage Output protection Overheating Thermal protection Max.Time Boost-Bulk charge (Typ. at IN) Min.Time Boost-Bulk charge (Typ. at IN) Min.Time Boost-Bulk charge (Typ. at IN) I min. Float charge (25 °C) (at In) Jumper Configuration battery type (V/cell) Recovery Charge Charging current max Ibatt Charging current limiting Ibadi Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Quiescent Current max. Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Load Output Output voltage Vdc (at In) Max. current Output Load (Back Up) Iloads In Ibatt Continuous current (Without battery) Iloads In Ibatt On A max. Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (Switch off output without main input) Threshold alarm Battery almost flat Low Battery Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC NC	Efficiency (at 50% of rated current)	≥83 %
Turn-On delay after applying mains voltage Start up with Strong Load (capacitive load) Dissipation power load max (W) Short-circuit protection Over Load protection Over Voltage Output protection Overheating Thermal protection Pes Sattery Output Boost charge (25 °C) (at I₀) Max.Time Boost-Bulk charge (Typ. at IN) Min.Time Boost-Bulk charge (Typ. at IN) Sour Configuration battery type (V-cell) Jumper Configuration battery type (V-cell) Recovery Charge Charging current max I₀att Charging current limiting I₃dj Reverse battery protection Sulfated battery check Sulfated battery check Short circuit Element Detection Pes Quiescent Current max. Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Load Output Output voltage Vdc (at I₀) Max. current Output Load (Main) I₁₀ad (4 sec.) Time Boost - Battery Without battery) I₁₀ads - I₀ - I₀at Start From Battery Without battery) I₁₀ads - I₀ - I₀at Start From Battery Without Main (Remote Input Control) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Max. current Output (free switch contacts) Main or Backup Input Power Yes Type of Signal Output (Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60 Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Turn-On delay after applying mains voltage Start up with Strong Load (capacitive load) Start up with Strong Load (capacitive load) Short-circuit protection Over Load protection Over Load protection Over Voltage Output protection Overheating Thermal protection Pes Battery Output Boost charge (25 °C) (at In) Min. Time Boost-Bulk charge (Typ. at IN) Min. Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at In) Jumper Configuration battery type (V/cell) Jumper Configuration battery type (V/cell) Charging current max I batt Charging current limiting I ladj Reverse battery protection Sulfated battery check Short circuit Element Detection Detection of element in short circuit Quiescent Current max. Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Load Output Output voltage Vdc (at In) Max. current Output Load (Back Up) Iloads In In batt To A Continuous current (Without battery) Iloads In In batt Nominal current (With battery) Iloads In In SA Continuous current (Without battery) Iloads In In SA Continuous current (Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LOW Battery Pes Type of Signal Output (Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC NC	Residual Ripple	≤ 80 mV _{pp}
Start up with Strong Load (capacitive load) Dissipation power load max (W) 28 Short-circuit protection Over Load protection Yes Over Voltage Output protection Yes Over Voltage Output protection Yes Battery Output Boost charge (25 °C) (at I₀) Min.Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at I₀) Jumper Configuration battery type (V/cell) Recovery Charge Charging current max I₀att Charging current limiting I₆d Charging current limiting I₆d Sulfated battery ortection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Quiescent Current max Charging Curve automatic: IUoU A stage Remote Input Control (RTCONN cable) Boost / Float Continuous current (Without battery) I₀add· I₀ - I₀at Continuous current (Without battery) I₀add· I₀ - I₀at Max. current Output Load (Main) I₀add (4 sec.) Max. current Output Load (Main) I₀add (4 sec.) Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60 Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Start up with Strong Load (capacitive load) Dissipation power load max (W) 28 Short-circuit protection Over Load protection Over Voltage Output protection Overheating Thermal protection Overheating Thermal protection Battery Output Boost charge (25 °C) (at I₁) Min.Time Boost-Bulk charge (Typ. at IN) Min.Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at I₁) Float charge (25 °C) (at I₁) Float charge (25 °C) (at I₁) Float charge (25 °C) Jumper Configuration battery type (V/cell) Nicct:1,4; Li-ion 3.4 Recovery Charge 2 − 24 Vdc Charging current max I₂₂₂₂ (25,22,7;2,3; (V/cell) Nicct:1,4; Li-ion 3.4 Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Yes Quiescent Current max. Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I₁) Max. current Output Load (Main) I₁₀₂d I₂₀c. Continuous current (With battery) I₁₀₂d I₂₀c. Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LOA Main or Backup Input Power Yes Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC NC	Turn-On delay after applying mains voltage	
Short-circuit protection Over Load protection Over Voltage Output protection Over Hoating Thermal protection Pes Battery Output Boost charge (25 °C) (at I _n) Min. Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at I _n) Float charge (25 °C) (at I _n) Min. Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at I _n) Recovery Charge 2 - 24 Vdc Charging current max I _{batt} Charging current limiting I _{adj} Reverse battery protection Yes Sulfated battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Yes Quiescent Current max. S 100 mA Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I _n) Max. current Without battery I _{load} = I _n batt Continuous current (Without battery) I _{load} = I _n batt Continuous current (Without battery) I _{load} = I _n batt Max. current Output Load (Back Up)I _{load} (a sec.) Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Short-circuit protection Over Load protection Over Voltage Output protection Overheating Thermal protection Pes Battery Output Boost charge (25 °C) (at In) Max. Time Boost—Bulk charge (Typ. at IN) Min. Time Boost—Bulk charge (Typ. at IN) Min. Time Boost—Bulk charge (Typ. at IN) Jumper Configuration battery type (V/cell) Jumper Configuration battery type (V/cell) Recovery Charge 2 − 24 Vdc Charging current max I _{batt} Charging current limiting I _{adj} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Petection of element in short circuit Yes Quiescent Current max. ≤ 100 mA Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current I _{load} Continuous current (Without battery) I _{loade} In SA Continuous current (Without battery) I _{loade} In Max. current Output Load (Back Up) I _{load (4 sec.)} Continuous current (Without Main (Remote Input Control) RTCONN (cable) Order reference: CBI485A/S Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up Main or Back Up C NC NC Main or Back Up Main or Back Up C NC Main or Back Up C NC Main or Back Up C NC Main or Back Up Main or Back Up C NC Main or Back Up Main or Back Up Main or Back Up C NC Main or Back Up Main or Back Up Main or Back Up Main or Back Up C NC Main or Back Up C NC Main or Back Up Main or Back Up Main or Back Up Main or Back Up		Yes, Unlimited
Over Load protection Over Nottage Output protection Overheating Thermal protection Battery Output Boost charge (25 °C) (at I₁) Min.Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at I₁) Imin. Float charge (25 °C) (at I₁) Float charge (25 °C) (at I₁) Imin. Float charge (25 °C) (at I₁) Float charge (25 °C) (at I₁) Imin. Float charge (25 °C) (at I₁) Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Sulfated battery protection Yes Sulfated battery protection Yes Sulfated battery protection Yes Sulfated battery protection Yes Quiescent Current max. ≤ 100 mA Charging Curve automatic: IUoU 4 stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I₁) Nominal current I₁₀₀₀₀ Continuous current (Without battery) I₁₀₀₀₀ l₁₀ l₀₀₀₀ l₁₀ Nominal current I₁₀₀₀ Continuous current (Without battery) I₁₀₀₀₀ l₂₀ Float at Ix I₁ A ± 5% Continuous current (Without battery) I₁₀₀₀ l₂₀ Float Battery Them Buffering: min (switch off output Load (Back Up)I₁₀₀₀ l₂₀ Float Battery Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Tyes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Over Load protection Over Voltage Output protection Over Voltage Output protection Overheating Thermal protection Battery Output Boost charge (25 °C) (at I₁) Mon. Time Boost-Bulk charge (Typ. at IN) Min. Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at I₁) Jumper Configuration battery type (V/cell) Nicd:1,4,1 Li-ion 3.4 Recovery Charge Charging current max I♭batt Charging current max I♭batt Sulfated battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Petertion of element in short circuit Quiescent Current max. Sino mA Charging Curve automatic: IJoU A stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I₁) Max. current Output Load (Main) Iload: I₁ Sa Continuous current (With battery) Iloads: I₁ Sa Continuous current (With battery) Iloads: I₁ Sa Continuous current (With battery) Iloads: I₁ Sa Max. current Output Load (Main) Iload (Is sec.) Time Buffering: min (switch off output without main input) Max. current Output Load (Back Up)Iload (Is sec.) Main or Backup Input Power Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1 A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC In Main or Back Up	Dissipation power load max (W)	28
Over Voltage Output protection Overheating Thermal protection Pes Battery Output Boost charge (25 °C) (at I₁) Max.Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at I₁) Min.Time Boost-Bulk charge (Typ. at IN) Float charge (25 °C) (at I₁) Imin. Float charge (25 °C) (at I₁) Jumper Configuration battery type (V/cell) NiCci:1,4; Li-ion 3.45 Recovery Charge Charging current max I₂att Charging current limiting I₂adj Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Pes Quiescent Current max. Short circuit Element Detection Pes Quiescent Current max. Charging Curve automatic: IJOU 4 stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I₁) Nominal current I₀ad Continuous current (With battery) I₀ada I₁₁ 5 A Continuous current (Without battery) I₀ada I₁₁ 5 A Continuous current (With battery) I₀ada I₂acc) Nax. current Output Load (Main) I₁ada I₂acc) Time Buffering: Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: Signal Output (free switch contacts) Main or Backup Input Power Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60 Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Over Voltage Output protection Overheating Thermal protection Pes Battery Output Boost charge (25 °C) (at In) 57.6 Vdc Max.Time Boost-Bulk charge (Typ. at IN) 1 min. Float charge (25 °C) (at In) 27.5 Vdc Jumper Configuration battery type 2.23;2,25;2,27;2,3; (V/cell) NiCd:1,4; Li-ion 3.4 Recovery Charge 2 − 24 Vdc Charging current max Ibatt 5 A ± 5% Charging current limiting Iadj 20 ÷ 100 % / Ibat Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Quiescent Current max. ≤ 100 mA Charging Curve automatic: IUoU 4 stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) 44 - 57.6 V Nominal current I _{load} 1.1 x In A ± 5% Continuous current (Without battery) I _{load-1} In 5 A Continuous current (Without battery) I _{load-1} In 5 A Continuous current (Without battery) I _{load-1} In 5 A Continuous current (Without Main (Remote Input Control) Max. current Output Load (Back Up)I _{load(4 sec.)} 10 A max. Max. current Output Load (Back Up)I _{load(4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: ∞: standard min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) 40 - 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Yes Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery C NC NC Main or Back Up	Short-circuit protection	Yes
Battery Output	Battery Output	Over Load protection	Yes
Battery Output	Battery Output		Yes (typ. 90 Vdc)
Boost charge (25 °C) (at I _n) 57.6 Vdc Max. Time Boost-Bulk charge (Typ. at IN) 15 h Min. Time Boost-Bulk charge (Typ. at IN) 1 min. Float charge (25 °C) (at I _n) 27.5 Vdc Jumper Configuration battery type 2.23;2,25;2,27;2,3; (V/cell) NiCd:1,4; Li-ion 3.45 Recovery Charge 2 - 24 Vdc Charging current max I _{batt} 5 A ± 5% Charging current limiting I _{adj} 20 + 100 % / I _{bat} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Yes Quiescent Current max. ≤ 100 mA Charging Curve automatic: IUoU 4 stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I _n) 44 - 57.6 V Nominal current I _{load} 1.1 x I _n A ± 5% Continuous current (Without battery) I _{load=} I _n 5 A Continuous current (With battery) I _{load=} I _n 5 A Continuous current (With battery) I _{load=} I _n 5 A Continuous current (Without battery) I _{load (4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) Max. current Output Load (Back Up)I _{load (4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: ∞: standard min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat 38 - 40 Vdc batt LVD. (Protections against total Batt. discharge) 40 - 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Boost charge (25 °C) (at I _n) Max. Time Boost—Bulk charge (Typ. at IN) Min. Time Boost—Bulk charge (Typ. at IN) Those charge (25 °C) (at I _n) Float charge (25 °C) (at I _n) Float charge (25 °C) (at I _n) Imin. Float charge (25 °C) (at I _n) Yes Recovery Charge 2 - 24 Vdc Charging current max I _{batt} Charging current limiting I _{adj} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Yes Quiescent Current max. Charging Curve automatic: IUoU A stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I _n) Nominal current I _{load} Continuous current (Without battery) I _{loade} I _n I _{load} Max. current Output Load (Main) I _{load} (a sec.) Max. current Output Load (Main) I _{load} (a sec.) Time Buffering: Order reference: Order re		
Boost charge (25 °C) (at I _n) 57.6 Vdc Max. Time Boost-Bulk charge (Typ. at IN) 15 h Min. Time Boost-Bulk charge (Typ. at IN) 1 min. Float charge (25 °C) (at I _n) 27.5 Vdc Jumper Configuration battery type 2.23;2,25;2,27;2,3; (V/cell) NiCd:1,4; Li-ion 3.45 Recovery Charge 2 - 24 Vdc Charging current max I _{batt} 5 A ± 5% Charging current limiting I _{adj} 20 + 100 % / I _{bat} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Yes Quiescent Current max. ≤ 100 mA Charging Curve automatic: IUoU 4 stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I _n) 44 - 57.6 V Nominal current I _{load} 1.1 x I _n A ± 5% Continuous current (Without battery) I _{load=} I _n 5 A Continuous current (With battery) I _{load=} I _n 5 A Continuous current (With battery) I _{load=} I _n 5 A Continuous current (Without battery) I _{load (4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) Max. current Output Load (Back Up)I _{load (4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: ∞: standard min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat 38 - 40 Vdc batt LVD. (Protections against total Batt. discharge) 40 - 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Boost charge (25 °C) (at I _n) Max. Time Boost—Bulk charge (Typ. at IN) Min. Time Boost—Bulk charge (Typ. at IN) Those charge (25 °C) (at I _n) Float charge (25 °C) (at I _n) Float charge (25 °C) (at I _n) Imin. Float charge (25 °C) (at I _n) Yes Recovery Charge 2 - 24 Vdc Charging current max I _{batt} Charging current limiting I _{adj} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Yes Quiescent Current max. Charging Curve automatic: IUoU A stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I _n) Nominal current I _{load} Continuous current (Without battery) I _{loade} I _n I _{load} Max. current Output Load (Main) I _{load} (a sec.) Max. current Output Load (Main) I _{load} (a sec.) Time Buffering: Order reference: Order re	Rattery Output	
Max.Time Boost-Bulk charge (Typ. at IN) 15 h Min.Time Boost-Bulk charge (Typ. at IN) 1 min. Float charge (25 °C) (at In) 27.5 Vdc Jumper Configuration battery type 2.23;2,25;2,27;2,3; (V/cell) NiCd:1,4; Li-ion 3.45 Recovery Charge 2 - 24 Vdc Charging current max I _{batt} 5 A ± 5% Charging current limiting I _{adi} 20 ÷ 100 % / I _{bat} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Yes Quiescent Current max. ≤ 100 mA Charging Curve automatic: IUoU 4 stage Remote Input Control (RTCONN cable) Boost / Float Load Output Under Voltage Vdc (at In) 44 - 57.6 V Nominal current I _{load} 1.1 x In A ± 5% Continuous current (With battery) I _{loade} In Ibatt 10 A Max. current Output Load (Main) I _{load} (4 sec.) 10 A max. Max. current Output Load (Back Up)I _{load (4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) 70 A max. Start From Battery Without Main (Remot	Max.Time Boost-Bulk charge (Typ. at IN) 1 min. Float charge (25 °C) (at I _n) 27.5 Vdc Jumper Configuration battery type 2.23;2,25;2,27;2,3; (V/cell) NiCd:1,4; Li-ion 3.4 Recovery Charge 2 - 24 Vdc Charging current max I _{batt} 5 A ± 5% Charging current limiting I _{adj} 20 ÷ 100 % / I _{bat} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Yes Quiescent Current max. ≤ 100 mA Charging Curve automatic: IUoU 4 stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I _n) 44 -57.6 V Nominal current I _{load} 1.1 x I _n A ± 5% Continuous current (Without battery) I _{load-1} I _{load-1} I _{load-1} 10 A Max. current Output Load (Main) I _{load-1} I _{load-1} I _{load-1} 10 A Max. current Output Load (Back Up) I _{load-1} I _{load-1} I _{load-1} 10 A max. Start From Battery Without Main (Remote Input Control) CBI485A/S Time Buffering: CBI485A/S min (switch off		57 6 Vdc
Min.Time Boost–Bulk charge (Typ. at IN) Float charge (25 °C) (at I _n) Jumper Configuration battery type (2.23;2,25;2,27;2,3; (V/cell) Recovery Charge 2 − 24 Vdc Charging current max I _{batt} 5 A ± 5% Charging current limiting I _{adj} 20 ÷ 100 % / I _{bat} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Petection of element in short circuit Yes Quiescent Current max. Charging Curve automatic: IUoU 4 stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I _n) Nominal current I _{load} 1.1 x I _n A ± 5% Continuous current (Without battery) I _{loade} I _n 5 A Continuous current (Without battery) I _{loade} I _n 5 A Continuous current Output Load (Main) I _{load} (4 sec.) 10 A max. Max. current Output Load (Back Up)I _{load} (4 sec.) 10 A max. Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat 1.VD. (Protections against total Batt. discharge) Main or Backup Input Power Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Min.Time Boost–Bulk charge (Typ. at IN) Float charge (25 °C) (at I _n) Jumper Configuration battery type (2.23;2,25;2,27;2,3; (V/cell) Recovery Charge 2 − 24 Vdc Charging current max I _{batt} Charging current limiting I _{adj} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Quiescent Current max. Charging Curve automatic: IUoU A stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I _n) Nominal current (Without battery) I _{loade} I _{In} − I _{batt} Continuous current (Without battery) I _{loade} I _{In} − I _{batt} Max. current Output Load (Main) I _{load} (4 sec.) Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Fault System / Low Battery Policular System / Low Battery Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery C NC NC Main or Back Up C NC Main or Back Up		
Float charge (25 °C) (at In) Jumper Configuration battery type (V/cell) Recovery Charge 2 - 24 Vdc Charging current max I _{batt} Charging current limiting I _{adj} 20 ÷ 100 % / I _{bat} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Quiescent Current max. Charging Curve automatic: IUoU A stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current I _{load} Continuous current (Without battery) I _{load=} In Continuous current (Without battery) I _{load=} In-1 batt Max. current Output Load (Main) I _{load} (4 sec.) Max. current Output Load (Back Up) I _{load} (4 sec.) Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60 Time of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Float charge (25 °C) (at In) Jumper Configuration battery type (V/cell) Recovery Charge Charging current max I _{batt} Charging current limiting I _{adj} Reverse battery protection Sulfated battery check Yes by Jumper Short circuit Element Detection Petection of element in short circuit Quiescent Current max. Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Load Output Output voltage Vdc (at In) Nominal current (Without battery) I _{loade} In Continuous current (Without battery) I _{loade} In Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat Signal Output (Free Switch Contacts) Main or Backup Iput Power Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Main: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC NC Main or Back Up C NC Main or Back Up		
Jumper Configuration battery type (V/cell) Recovery Charge 2 − 24 Vdc Charging current max I _{batt} Charging current limiting I _{adj} Reverse battery protection Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Quiescent Current max. Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I _n) Nominal current I _{load} Continuous current (Without battery) I _{load=} I _n Ax. current Output Load (Main) I _{load} (4 sec.) Max. current Output Load (Back Up) I _{load} (4 sec.) Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60 Time of Tourent Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60 Time of Tourent Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Jumper Configuration battery type (V/cell) Recovery Charge 2 − 24 Vdc Charging current max I _{batt} Charging current limiting I _{adj} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Quiescent Current max. Charging Curve automatic: IUoU Astage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current I _{load} Continuous current (Without battery) I _{loade} In Sar Continuous current (With battery) I _{loade} In- batt Continuous current (With battery) I _{loade} In- batt Max. current Output Load (Back Up)I _{load (4 sec.)} Time Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC Name Main or Back Up C NC Name Main or Back Up Main or Back Up Main or Back Up C NC Name Main or Back Up C NC NC Main or Back Up C NC Main or Back Up		
NiCd:1,4; Li-ion 3.45	(V/cell) NiCd:1,4; Li-ion 3.4		
Recovery Charge 2 − 24 Vdc Charging current max I _{batt} 5 A ± 5% Charging current limiting I _{adj} 20 ÷ 100 % / I _{bat} Reverse battery protection Yes Sulfated battery check Yes by Jumper Short circuit Element Detection Yes Detection of element in short circuit Yes Quiescent Current max. ≤ 100 mA Charging Curve automatic: IUoU 4 stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at I _n) 44 -57.6 V Nominal current I _{load} 1.1 x I _n A ± 5% Continuous current (Without battery) I _{load= I_n} I _{batt} 10 A Max. current Output Load (Main) I _{load (4 sec.)} 10 A max. Max. current Output Load (Back Up)I _{load (4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) RTCONN (cable) Order reference: CBI485A/S Time Buffering: ⇔: standard min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat 38 - 40 Vdc batt LVD. (Protections against total Batt. discharge) 40 - 42 Vdc batt S	Recovery Charge Charging current max I _{batt} Charging current limiting I _{adj} Reverse battery protection Yes Sulfated battery check Short circuit Element Detection Yes Quiescent Current max. Charging Curve automatic: IUoU Astage Remote Input Control (RTCONN cable) Load Output Output voltage Vdc (at In) Nominal current I _{load} Continuous current (Without battery) I _{load= In-1} Continuous current (With battery) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Pault System / Low Battery Main or Backup I Dut Power Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up Main or Back Up C NC N		
Charging current max I _{batt} Charging current limiting I _{adj} Reverse battery protection Sulfated battery check Sulfated battery check Short circuit Element Detection Yes Succept Gurrent max. Charging Curve automatic: IUoU Charging Curve automatic: IUoU A stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current I _{load} Continuous current (Without battery) I _{load=} In Continuous current (Without battery) I _{load=} In Continuous current (With battery) I _{load=} In Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Low Battery Yes Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Charging current max I batt Charging current limiting I adj Reverse battery protection Sulfated battery check Su		
Charging current limiting I _{adj} Reverse battery protection Sulfated battery check Sulfated battery check Sulfated battery check Short circuit Element Detection Pes Detection of element in short circuit Quiescent Current max. Charging Curve automatic: IUoU Astage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current Iload Continuous current (Without battery) Iloade In batt Continuous current (Without battery) Iloade In batt Max. current Output Load (Main) Iload (Asec) Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Ves Low Battery Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Charging current limiting l _{adj} Reverse battery protection Sulfated battery check Short circuit Element Detection Petection of element in short circuit Quiescent Current max. Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current I _{load} Continuous current (Without battery) I _{load In} Fand Continuous current (With battery) I _{load In} Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up Main or Back Up Low Battery Main or Back Up C NC Main or Back Up Main or Back Up Main or Back Up C NC NC Main or Back Up C NC Na Na Na Na Na Na Na Na Na		
Reverse battery protection Sulfated battery check Short circuit Element Detection Detection of element in short circuit Quiescent Current max. Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current Iload Continuous current (Without battery) Iload= In	Reverse battery protection Sulfated battery check Sulfated battery check Short circuit Element Detection Pes Detection of element in short circuit Quiescent Current max. Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current Iload Continuous current (Without battery) Iload= In Continuous current (Without battery) Iload= In Max. current Output Load (Main) Iload (4 sec.) Max. current Output Load (Back Up)Iload (4 sec.) Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC N		
Sulfated battery check Short circuit Element Detection Yes Detection of element in short circuit Quiescent Current max. Charging Curve automatic: IUoU A stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current Ilload Continuous current (Without battery) Illoads In S A Continuous current (With battery) Illoads In Io A Max. current Output Load (Main) Illoads (Asec.) Max. current Output Load (Back Up) Illoads (Asec.) Start From Battery Without Main (Remote Input Control) Order reference: CB1485A/S Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Yes Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Sulfated battery check Short circuit Element Detection Petection of element in short circuit Quiescent Current max. Charging Curve automatic: IUoU Astage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current Ioad 1.1 x In A ±5% Continuous current (Without battery) Ioad= In 5 A Continuous current (With battery) Ioad= In 10 A Max. current Output Load (Main) Ioad (4 sec.) 10 A max. Max. current Output Load (Back Up) Ioad (4 sec.) 10 A max. Start From Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) 40 − 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up Main or Back Up C NC N		
Short circuit Element Detection Detection of element in short circuit Quiescent Current max. Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current Iload Continuous current (Without battery) Iload= In Continuous current (With battery) Iload= In+ Ibatt Max. current Output Load (Main) Iload (4 sec.) Max. current Output Load (Back Up) Iload (4 sec.) Start From Battery Without Main (Remote Input Control) Order reference: CB1485A/S Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Low Battery Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Short circuit Element Detection Detection of element in short circuit Quiescent Current max. Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current I _{load} Continuous current (Without battery) I _{loade In} 5 A Continuous current (With battery) I _{loade In} In A ± 5% Continuous current (With battery) I _{loade In} In A max. Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Time Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Low Battery Yes Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC N		
Detection of element in short circuit Quiescent Current max. Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current Iload Continuous current (Without battery) Iload= In Continuous current (With battery) Iload= In+ Ibatt Max. current Output Load (Main) Iload (4 sec.) Max. current Output Load (Back Up) Iload (4 sec.) Start From Battery Without Main (Remote Input Control) Order reference: CB1485A/S Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Low Battery Yes Low Battery Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Detection of element in short circuit Yes Quiescent Current max. ≤ 100 mA Charging Curve automatic: IUoU 4 stage Remote Input Control (RTCONN cable) Boost / Float Load Output Use of the properties of t	·	
Quiescent Current max. ≤ 100 mA Charging Curve automatic: IUoU 4 stage Remote Input Control (RTCONN cable) Boost / Float Load Output Utput voltage Vdc (at In) Output voltage Vdc (at In) 44 -57.6 V Nominal current Iload 1.1 x In A ± 5% Continuous current (Without battery) Iload= In	Quiescent Current max. ≤ 100 mA Charging Curve automatic: IUoU 4 stage Remote Input Control (RTCONN cable) Boost / Float Load Output		
Charging Curve automatic: IUoU 4 stage Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) 44 -57.6 V Nominal current Iload 1.1 x In A ± 5% Continuous current (Without battery) Iload= In 5 A Continuous current (With battery) Iload= In- Ibatt 10 A Max. current Output Load (Main) Iload (4 sec.) 10 A max. Max. current Output Load (Back Up)Iload (4 sec.) 10 A max. Start From Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: ∞: standard min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) 40 - 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Yes Low Battery Yes Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Charging Curve automatic: IUoU Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) Nominal current I _{load} Continuous current (Without battery) I _{load= In} End Continuous current (With battery) I _{load= In+ Ibatt} Continuous current (With battery) I _{load (4 sec.)} Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Order reference: CBI485A/S Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC N		
Remote Input Control (RTCONN cable) Boost / Float Load Output Output voltage Vdc (at In) 44 -57.6 V Nominal current Iload 1.1 x In A ± 5% Continuous current (Without battery) Iload= In batt 5 A Continuous current (With battery) Iload= In batt 10 A Max. current Output Load (Main) Iload (4 sec.) 10 A max. Max. current Output Load (Back Up)Iload (4 sec.) 10 A max. Start From Battery Without Main (Remote Input Control) RTCONN (cable) Order reference: CBI485A/S Time Buffering: ∞: standard min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat 38 - 40 Vdc batt LVD. (Protections against total Batt. discharge) 40 - 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Yes Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Remote Input Control (RTCONN cable) Load Output Output voltage Vdc (at In) Nominal current I _{load} Continuous current (Without battery) I _{load=} In Continuous current (With battery) I _{load=} In- In In Input In Input		
Dutput voltage Vdc (at In)	Dutput voltage Vdc (at In)		
Output voltage Vdc (at In) Nominal current Iload Continuous current (Without battery) Iloade In Continuous current (Without battery) Iloade In	Output voltage Vdc (at In) Nominal current I _{load} Continuous current (Without battery) I _{load=} In Continuous current (With battery) I _{load=} In Continuous current (With battery) I _{load=} In Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC N		200017 11001
Nominal current I _{load} Continuous current (Without battery) I _{load=} I _n S A Continuous current (With battery) I _{load=} I _n Max. current Output Load (Main) I _{load} (4 sec.) Max. current Output Load (Back Up)I _{load} (4 sec.) Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Nominal current I _{load} Continuous current (Without battery) I _{load= In} S A Continuous current (With battery) I _{load= In+ Ibatt} Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Order reference: CBI485A/S Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input (Free switch contacts) Main or Backup Input Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC Name A do A de A de S% Continuous current (Without battery) I _{load (4 sec.)} 10 A max. RTCONN (cable) RTCONN (cable) RTCONN (cable) SH85A/S STOON (cable) STOON		44 57 614
Continuous current (Without battery) I _{load=} I _n 5 A Continuous current (With battery) I _{load=} I _{n+} I _{batt} 10 A Max. current Output Load (Main) I _{load (4 sec.)} 10 A max. Max. current Output Load (Back Up)I _{load (4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: ∞: standard min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat 38 − 40 Vdc batt LVD. (Protections against total Batt. discharge) 40 − 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Yes Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Continuous current (Without battery) I _{load=} In 5 A Continuous current (With battery) I _{load=} In+ Ibatt 10 A Max. current Output Load (Main) I _{load (4 sec.)} 10 A max. Max. current Output Load (Back Up)I _{load (4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) RTCONN (cable) Order reference: CBI485A/S Time Buffering: ∞: standard min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat 38 − 40 Vdc batt LVD. (Protections against total Batt. discharge) 40 − 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Yes Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery C NC NC Main or Back Up C NC NC No		
Continuous current (With battery) I _{loade} I _{n+} I _{batt} 10 A Max. current Output Load (Main) I _{load (4 sec.)} 10 A max. Max. current Output Load (Back Up)I _{load (4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: ∞: standard min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat 38 − 40 Vdc batt LVD. (Protections against total Batt. discharge) 40 − 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Yes Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Continuous current (With battery) I _{load = In+ Ibatt} 10 A Max. current Output Load (Main) I _{load (4 sec.)} 10 A max. Max. current Output Load (Back Up)I _{load (4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) RTCONN (cable) Order reference: CBI485A/S Time Buffering: •: standard min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat 38 – 40 Vdc batt LVD. (Protections against total Batt. discharge) 40 – 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC N		
Max. current Output Load (Main) I _{load (4 sec.)} 10 A max. Max. current Output Load (Back Up)I _{load (4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) RTCONN (cable) Order reference: CBI485A/S Time Buffering: ∞: standard min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat 38 – 40 Vdc batt LVD. (Protections against total Batt. discharge) 40 – 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Yes Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Max. current Output Load (Main) I _{load (4 sec.)} 10 A max. Max. current Output Load (Back Up)I _{load (4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) RTCONN (cable) Order reference: CBI485A/S Time Buffering: ∞: standard min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat 38 – 40 Vdc batt LVD. (Protections against total Batt. discharge) 40 – 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Yes Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery C NC N Main or Back Up C NC N	_ `	
Max. current Output Load (Back Up)I _{load (4 sec.)} 10 A max. Start From Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: ∞: standard min (switch off output without main input) 5 min.: Require SW Threshold alarm Battery almost flat 38 − 40 Vdc batt LVD. (Protections against total Batt. discharge) 40 − 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Yes Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Max. current Output Load (Back Up) _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC Name of Signal Output Contact Order Contact (Min permissive load) Fault System / Low Battery C NC Name of Contact (Min permissive load) Main or Back Up C NC Name of Contact (Min permissive load)		
Start From Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Start From Battery Without Main (Remote Input Control) Order reference: CBI485A/S Time Buffering: min (switch off output without main input) Teshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output (Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC N Main or Back Up C NC N		
Order reference: CBI485A/S Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Order reference: CBI485A/S Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery C NC N Main or Back Up C NC N	Max. current Output Load (Main) I _{load (4 sec.)}	10 A max.
Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC NC Na Na Signal Output Contact Contact Na Na Na Signal Output Contact Contact Na Na Na Na Na Signal Output Contact Contact Na Na Na Na Na Na Na Na Na N	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)}	10 A max. 10 A max.
min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) 40 - 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) 40 – 42 Vdc batt Signal Output (free switch contacts) Main or Backup Input Power Low Battery Yes Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery C NC N Main or Back Up C NC N	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control)	10 A max. 10 A max. RTCONN (cable)
Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC N	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference:	10 A max. 10 A max. RTCONN (cable) CBI485A/S
LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Yes Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC N	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering:	10 A max. 10 A max. RTCONN (cable) CBI485A/S ∞: standard
Signal Output (free switch contacts) Main or Backup Input Power Yes Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Signal Output (free switch contacts) Main or Backup Input Power Yes Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery C NC NC Main or Back Up C NC NC Main or Back Up	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input)	10 A max. 10 A max. RTCONN (cable) CBI485A/S ∞: standard 5 min.: Require SW
Main or Backup Input Power Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC N	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat	10 A max. 10 A max. RTCONN (cable) CBI485A/S ∞: standard 5 min.: Require SW 38 – 40 Vdc batt
Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Low Battery Yes Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery C NC NC Main or Back Up C NC NC Main or Back Up	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge)	10 A max. 10 A max. RTCONN (cable) CBI485A/S ∞: standard 5 min.: Require SW 38 – 40 Vdc batt
Fault Battery or system Yes Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC NC NC	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts)	10 A max. 10 A max. RTCONN (cable) CBI485A/S ∞: standard 5 min.: Require SW 38 – 40 Vdc batt 40 – 42 Vdc batt
Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery Main or Back Up C NC NC NC NC NC NC NC NC NC	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power	10 A max. 10 A max. RTCONN (cable) CBI485A/S :: standard 5 min.: Require SW 38 – 40 Vdc batt 40 – 42 Vdc batt
Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC1: 60	Dry Contact. Current can be switched (EN60947.4.1): Max: DC1: 30 Vdc 1 A; AC Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery C NC Main or Back Up	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery	10 A max. 10 A max. RTCONN (cable) CBI485A/S ∞: standard 5 min.: Require SW 38 – 40 Vdc batt 40 – 42 Vdc batt Yes Yes
	Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load) Fault System / Low Battery C NC N Main or Back Up C NC N	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system	10 A max. 10 A max. RTCONN (cable) CBI485A/S ∞: standard 5 min.: Require SW 38 – 40 Vdc batt 40 – 42 Vdc batt Yes Yes
Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load)	Fault System / Low Battery C NC N Main or Back Up C NC N	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact	10 A max. 10 A max. RTCONN (cable) CBI485A/S ∞: standard 5 min.: Require SW 38 – 40 Vdc batt 40 – 42 Vdc batt Yes Yes Yes
F 1:5 : /: P ::	Main or Back Up C NC N	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max:	10 A max. 10 A max. RTCONN (cable) CBI485A/S ∞: standard 5 min.: Require SW 38 - 40 Vdc batt 40 - 42 Vdc batt Yes Yes Yes Yes DC1: 30 Vdc 1 A; AC1: 60
	The state of the s	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive	10 A max. 10 A max. RTCONN (cable) CBI485A/S In standard S min.: Require SW 38 – 40 Vdc batt 40 – 42 Vdc batt Yes Yes Yes Yes DC1: 30 Vdc 1 A; AC1: 60
	Signal Input / Output (RJ45)	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive Fault System / Low Battery	10 A max. 10 A max. RTCONN (cable) CBI485A/S Significant standard Significant standard Significant standard Significant standard Significant standard A0 - 42 Vdc batt Yes Yes Yes PC1: 30 Vdc 1 A; AC1: 60 Eload) C NC NO
Signal Input / Output (RJ45)		Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive Fault System / Low Battery Main or Back Up	10 A max. 10 A max. RTCONN (cable) CBI485A/S Significant standard Significant standard Significant standard Significant standard Significant standard A0 - 42 Vdc batt Yes Yes Yes PC1: 30 Vdc 1 A; AC1: 60 Eload) C NC NO
	Temp. Comp. Battery (with external probe): Aux Out RJ Temp (cable)	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive Fault System / Low Battery Main or Back Up	10 A max. 10 A max. RTCONN (cable) CBI485A/S Significant standard Significant standard Significant standard Significant standard Significant standard A0 - 42 Vdc batt Yes Yes Yes PC1: 30 Vdc 1 A; AC1: 60 Eload) C NC NO
		Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive Fault System / Low Battery Main or Back Up Signal Input / Output (RJ45) Temp. Comp. Battery (with external probe): Aux Out	10 A max. 10 A max. RTCONN (cable) CBI485A/S
Remote monitoring LED from Front Device: Aux Out RJ Temp (cable) Remote monitoring LED from Front Device: Aux Out RJ 45 (cable)	and the second of the second o	Max. current Output Load (Main) I _{load (4 sec.)} Max. current Output Load (Back Up)I _{load (4 sec.)} Start From Battery Without Main (Remote Input Control) Order reference: Time Buffering: min (switch off output without main input) Threshold alarm Battery almost flat LVD. (Protections against total Batt. discharge) Signal Output (free switch contacts) Main or Backup Input Power Low Battery Fault Battery or system Type of Signal Output Contact Dry Contact. Current can be switched (EN60947.4.1): Max: Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive Fault System / Low Battery Main or Back Up Signal Input / Output (RJ45) Temp. Comp. Battery (with external probe): Aux Out	10 A max. 10 A max. RTCONN (cable) CBI485A/S

