

Min.Time Boost–Bulk charge (Typ. at IN)	1 min.
Recovery Charge	2 – 20 Vdc
Charging current max I_{batt}	10 A \pm 5%
Charging current limiting I_{adj}	20 \div 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.	\leq 100 mA
Charging Curve automatic: IUoU	5 stage
Remote Input Control (RTCONN cable)	Boost / Float

Load Output

Output voltage Vdc (at I_n)	44 - 57.6 V (58V Ni-Cd)
Nominal current I_{load}	1.1 x I_n A \pm 5%
Continuous current (Without battery) $I_{load= I_n}$	5 A
Power Boost (Without battery) $I_{load= I_n}$	7A (max 30 sec.)
Continuous current (With battery) $I_{load= I_n + I_{batt}}$	10 A
Max. current Output Load (Main) $I_{load = I_n + I_{batt}}$ (4 sec.)	15 A max.
Max. current Output Load (Back Up) $I_{load = I_n + I_{batt}}$ (4 sec.)	10 A max.
Start From Battery Without Main (Remote Input Control) Order Reference:	RTCONN (cable) CBI485A/S
Time Buffering; min (switch output off without main input)	∞: standard 5 min.: Require SW
Threshold alarm Battery almost flat	44 – 46 Vdc batt
LVD. (Protections against total Battery 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 Vac 1A (Resistive load) Min: 1mA at 5 Vdc (Min permissive load)

Fault System / Low Battery	C	NC	NO
Main or Back Up	C	NC	NO

Signal Input / Output (RJ45)

Temp. Comp. Battery (with external probe): Aux Out	RJ Temp (cable)
Remote monitoring LED from Front Device: Aux Out	RJ 45 (cable)

Accessory

RTCONN	Cable Start from battery Length 1m. Jumper 6
RJTEMP451	Temperature Probe Length 1m.
RJTEMP453	Temperature Probe Length 3m.
RJ45COUPLER	RJ45 Three way "Daisy Chain" for Aux 2
DPY353	Display for: Monitoring the Battery state, Battery Charging Section.
MR300	Automatic Input ranging for Bride connection.

¹Can be adjusted via PC software mode