





Model	12Vdc					24Vdc					48Vdc				
	CBI123A	CBI126A	CBI1210A	CBI1235A	CBI243A	CBI245A	CBI2410A	CBI245A	CBI245A	CBI485A	CBI4810A	CBI485A	CBI4810A	CBI485A	CBI4810A
<b>INPUT DATA</b>															
Nominal Input Voltage / Tensione d'ingresso nominale	115 - 230 - 277Vac														
Input Voltage Range / Campo di funzionamento	90 - 305Vac														
Inrush Current (Vn and In Load) / Corrente di inserzione	≤ 11 A ≤ 5msec														
Frequency / Frequenza di ingresso	47 - 63 Hz ±6%														
Input Current (115 - 230V) / Assorbimento	2.8 - 1.3A														
Internal Fuse / Fusibile interno (non sostituibile)	4A														
External Fuse (recommended) / Fusibile esterno raccomandato	10A														
<b>OUTPUT DATA</b>															
Output Vdc / I <sub>o</sub> / Tensione di uscita Vdc / I <sub>o</sub>	12Vdc - 3A														
Output Current (In)	3A														
Disipation Power load max (W)	9														
Minimum load / Carico minimo	No														
Efficiency (60% of In) / Rendimento tipico	≥ 90%														
Short-circuit protection / Protezione contro il corto circuito	Yes														
Over Load protection / Protezione sovraccarico	Yes														
Over Voltage Output protection / Protezione sovratensione in uscita	Yes (Typ. 35Vdc)														
Overheating Thermal Protection / Protezione sovratemperatura	Yes														
Reverse battery protection / Protezione inversione batteria	Yes														
Sulfated battery check / Controllo batteria solfatata	Yes by Jumper														
Detection of element in short circuit / Rilevazione elemento in corto circuito	Yes														
<b>LOAD OUTPUT / USCITA CARICO</b>															
Output voltage (at IN Vdc) / Tensione di uscita (a IN) Vdc	10 - 14.4Vdc														
Nominal Current IN = load	1.1 x In A ± 5%														
Continuous current (without battery) / Iload = In	3A														
Max continuous current (with battery) / Iload = In + Ibat	6A														
Max current Output Load: (Main Input) / Iload (4sec.)	12A														
Max current Output Load: (Back Up) / Iload (4sec.)	18A max														
Push Button or Remote Input Control (AMP type connector)	Start from Battery without main														
Time Buffering; min (switch output off without main input)	Can be adjuste by PC SW mode														
Protections against total discharge	9 - 10 Vdc batt														
Threshold alarm Battery almost flat	10 - 11 Vdc batt														
<b>BATTERY CHARGER OUTPUT / USCITA CARICA BATTERIA</b>															
Boost - Bulk charge (Typ. at I <sub>o</sub> ) / Carica Veloce	14.4Vdc														
Max. Time Boost-Bulk charge (Typ. at I <sub>o</sub> ) / Tempo massimo Carica Veloce	15h														
Min. Time Boost-Bulk charge (Typ. at I <sub>o</sub> ) / Tempo minimo Carica Veloce	1min.														
Trickle-Float charge (Typ. at I <sub>o</sub> ) / Carica di mantenimento	13.75Vdc														
Recovery Charge / Carica di recupero	2 - 9Vdc														
Turn-On delay after applying mains voltage / Accensione con tensione di rete	1sec. Max														
End of charging current (Bulk charge)	0.3A														
Start up with strong load (capacitive load) / Start up con carichi capacitivi	Yes, Unlimited														
Residual Ripple / Rippie Residuo	≤ 60 mVpp														
Charging max. I <sub>bat</sub> / Corrente max. di Carica	3A ± 5%														
Charging current Limiting, I <sub>bat</sub> / Limitazione Corrente di Carica	20 ± 100 % / I <sub>bat</sub>														
Jumper Config. Type Battery (NICd optional) / Configurazione Tipo Batteria	223 Vcell Open Lead, 2.25 Vcell Sealed Lead, 2.27 Vcell Sealed Lead, 2.3 Vcell gel; NICd 1.5V/cell (10 elem.) trickle (Imax 10%)														
Quiescent Current / Consumo da batteria max.	≤ 5mA														
Remote Input Control (AMP Type connector)	Boost / Trickle														
Characteristic Curve / Caratteristiche di Carica	IUoUo, Automatic, 3 stage / IUoUo, Automatico a 3 Stadi														
<b>SIGNAL OUTPUT (RELAY) / SEGNALE USCITA</b>															
Main or Backup Power	Yes														
Low Battery	Yes														
Fault Battery	Yes														
<b>AUXILIARY OUTPUT (RJ 45 CONNECTION) FOR:</b>															
CAN Bus	No														
<b>CLIMATIC DATA</b>															
Ambient Temperature operation / Temperatura Ambiente di Lavoro	-25 + 70°C														
De rating T <sub>a</sub> > (In) / De rating T <sub>a</sub> > (In)	> 50° - 2.5%(In) / °C														
Ambient Temperature Storage / Temperatura max. Magazzino	-40 + 85°C														
Humidity at 25 °C / Umidità	95% to 25°C														
Cooling / Raffreddamento	Auto Convection														
<b>GENERAL DATA</b>															
Isolation Voltage (IN / OUT) / Tensione di Isolamento (IN / OUT)	3000Vac														
Isolation Voltage (IN / PE) / Tensione di Isolamento (IN / TERRA)	1605Vac														
Isolation Voltage (OUT / PE) / Tensione di Isolamento (OUT/TERRA)	500Vac														
Protection Class (EN/IEC 60529) / Protezione Classe	IP 20														
Reliability (MTBF IEC 61709) / Affidabilità	> 300 000 h														
Pollution Degree Environment / Grado d'inquinamento ambientale	2														
Connection Terminal Blocks Screw Type / Dimensione morsetti	2.5mm (24-14 AWG)														
Protection class (with PE connected) / Grado di protezione (con cavo di terra collegato)	I														
Dimension (W-h-d) / Dimensioni (h-h-p) mm	65x115x135 mm														
Weight / Peso	0.60 kg approx														
Safety Standard Approval / Conformità ed Approvazioni	CE														

Optional for auxiliary Output (RJ45 connection): Temp Charging probe. Temperature sensor for battery connection 2m length. Remote monitoring Display. Can Bus Cable.