PB256 Series

138 WATTS - BATTERY CHARGER

FEATURES

- 138W 12VDC & 24VDC
- Battery Backup System
- DC UPS Connectable
- Independent Load and Battery Current Limited
- Converter ON/OK alarm
- Battery Low Alarm
- Battery Low Voltage Disconnect
- Battery Over Load protection
- Conformal Coating option for wet areas
- C-Tick Approved
- INSTALLATION HANDBOOK AVAILABLE ON REQUEST

SPECIFICATIONS

INPUT			
Input Voltage	190264Vac, or 190400Vdc		
Frequency	45 to 65 Hz		
Input Current	3A maximum		
Inrush current	15A on cold start		
Line Regulation	0.2% typical		
OUTPUT			
Output Voltage	13.8Vdc, 27.6Vdc		
Output Power	138W, See power derating curve		
Output Current	13.8Vdc: 10A 27.6Vdc: 5A See Selection Table		
Load regulation	2% typical		
Ripple & Noise	25 mVp-p (13.8Vdc output) 45mVp-p (27.6Vdc output)		
Efficiency	> 80%		
PROTECTION			
Current limit type (Load circuit)	Constant current > LVD volts Foldback & hiccup < LVD volts		
Short circuit protection	Indefinite, auto-resetting		
Over-voltage protection	15.5 to 19.5 V latching (13.8Vdc output) 31.5 to 39 V latching (27.6Vdc output)		
Reverse polarity protection	Internal fuse		
Isolation	Input to Output: 2.1Kvdc 1 min Output to Ground: 2.1Kvdc 1 min Output to Ground: 700Vdc 1 min		
ENVIRONMENTAL			
Operating temperature	0 to 50°C ambient For derating, see curve in technical		
	illustrations		
Humidity			
Humidity Over-temperature protection	illustrations 5 to 90% relative humidity (non-condensing) Automatic & auto-resetting		
	illustrations 5 to 90% relative humidity (non-condensing)		



ALARMS AND BATTERY

FUNCTIONS			
Converter ON/OK alarm	Indicated by voltage-free changeover relay contacts & green LED: ON=OK		
Battery low alarm	< 11.3Vdc: 12V Battery < 22.6Vdc: 24V Battery Indicated by voltage-free changeover relay contacts & green LED: 0N=0K.		
Low voltage disconnect	10.8V (Typical for 12Vdc battery) 21.6V (Typical for 24Vdc battery)		
Battery over-load protection	Electronic circuit breakerauto-reset		
Battery to load voltage drop	0.2 V (27.6V output)		
OPTIONAL FEATURES			
Battery Charge Limit	Option BCL: Specify battery charge current based on battery size.		
Heatsink	Option H: Supplementary heatsink		
Conformal Coating	Option CC: Tropic protection for moist areas		
STANDARDS AND APPROVALS			
C-Tick	AS/NZS CISPR11 Group 1 Class A.		
Safety	Compliles with AS/NZS 60950, Class 1		
EMC	Emissions comply with AS/NZS CISPR11, Group 1, Class B. Complies with ACA EMC Scheme, C-Tick		
MECHANICAL			
Input Connector	AC Mains 10A Class 1 IEC60320 power inlet		
Load and Battery Connector	4 way pluggable screw terminal block. Suitable for up to 1.5mm ² wire		
Alarms Connector	6 way pluggable screw terminal block Suitable for up to 1.5mm ² wire		
	230 L x 93 W x 46 H (mm)		
Case size	230 L x 93 W x 46 H (mm)		
Case size Weight	230 L x 93 W x 46 H (mm) 850g		



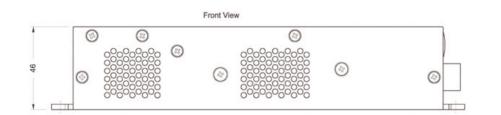
PB256 Series

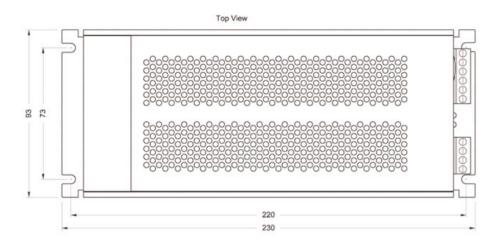
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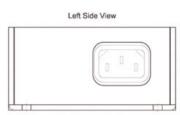
SELECTION TABLE

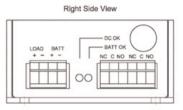
MODEL NUMBER	OUTPUT VOLTAGE	TOTAL CURRENT	BATTERY CURRENT	OUTPUT POWER
PB256-1210CML	13.8Vdc	8A	2A	138W
PB256-2405CML	27.6Vdc	4A	1A	138W

TECHNICAL ILLUSTRATIONS



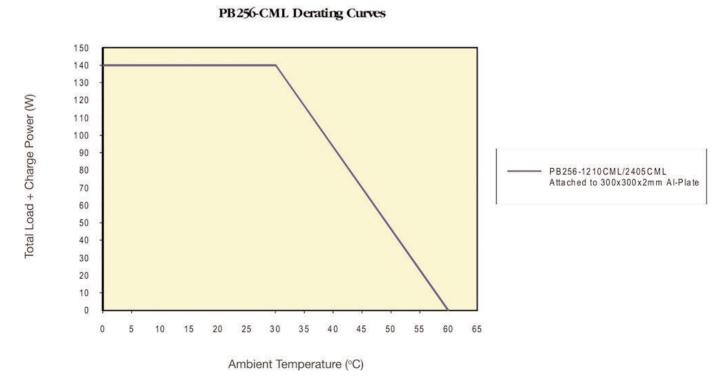






NOTES:

- 1. Mounting Centres: 220 x 73mm, Suitable for M4 Hardware 2. AC Mains: 10A Class 1 IEC60320 power inlet
- Output and Battery: 4W Pluggable Screw Terminal Block Suitable for up to 1.5 sq. mm vire.
 Alarms: 6W Pluggable Screw Terminal Block Suitable for up to 1.5 sq. mm vire.



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