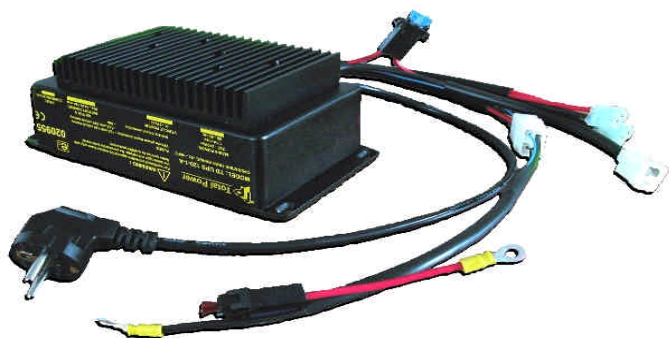


120W U.P.S. FOR AUTOMOTIVE APPLICATION

FEATURES:



- 230V AC and 10V–30V DC Board Power input.
- Intelligent lead acid battery charger built in.
- Dust free and water resistant aluminium housing.
- RS232 interface bus featuring extended status report functions.
- Compact size and low weight.
- Extended operating temperature from -25 to +60° C
- Operating at maximum rated temperature and free air convection without derating.
- Full compliance to international safety- and EMI standards.
- CE and e marked.

Specifications

GENERAL

Dielectric voltage withstand:	
- ACMAINS input to output:	3000Vac
- ACMAINS Input to frame:	1500Vac
- Board Power Input/ to output:	500Vac
- Board Power input to frame:	500Vac
- Output to frame:	500Vac
Efficiency:	
- Applying ACMAINS Power:	> 88%
- Applying Board Power:	> 80%
Environment:	
- Operating temperature range:	-25 to +60° C
- Dust & water resistance:	IP 54
- Shock & vibration:	ETS300 019-1-5 class 5M2
- Cooling:	Free air convection

MECHANICAL

Dimensions (L x W x H):	218x120x81 mm
Weight:	1.4 Kg

INPUT

ACMAINS:	
- Voltage range:	198 – 254V
- Frequency:	47 – 63 Hz
- Inrush current:	30A max.
- Power factor:	> 0.5
Board Power:	
- Voltage range:	11 – 27V DC

BATTERY INPUT / OUTPUT

Battery type:	12V lead acid 30AH
Charge characteristic:	U - I
Fast charge current:	6A ± 5%
Trickle current voltage at 25° C:	13.8V ± 2%
Temperature compensation:	
- In range -25° C to 0° C:	14.4V ± 3%
- In range 0° C to +15° C:	14.4V – 40mV/°C
- In range +15°C to +35° C:	13.8V ± 3%
- In range +35°C to +50° C:	13.8V – 26.7mV/°C

MAIN OUTPUT

Voltage:	13.8 +0.6, -2.8V
Current:	9A max.

INTERFACE SIGNALS

Board Power On:	Switches input power from stand by battery to board power.
RS232 bus:	Serial communication protocol providing the following functions:
	- Status Stand by battery capacity
	- Report of active power source.
	- Report of device identification and warning messages.

PROTECTIONS

Thermal Overload at internal ref. point:	90 ± 5° C
Under Voltage Board Power:	10.5 ± 0.3V
Under Voltage stand by battery:	10.7 ± 0.2V

