



## Features

- Universal AC input
- Output: **12Vdc/3A+3A (72W)**
- Auto diagnostics of battery status
- MTBF > 300,000hrs
- Overload, over-voltage, over-temperature and short circuit protection
- IP20 / DIN Rail mountable
- Auto convection cooling
- Start from battery without mains by push-button or remotely



## SPECIFICATIONS

INPUT	Input Voltage Range	90 – 305 Vac
	Input Current	2.8 – 1.3 A
	Inrush Current	≤ 11A ≤ 5 mS
	Frequency	47 – 63 Hz
OUTPUT	Output Voltage	12Vdc
	Output Current at 40°C	3A to load, 3A to BAT
	Efficiency	90% min (at 50% rated current)
ENVIRONMENT	Operating Temperature	-25 to +70 °C , de-rate linearly at 2.5% per °C above 50 °C
	Storage Temperature	-40 to +85 °C
	Humidity	95% to 25 °C, non-condensing
BATTERY	Voltage – Current / Type	12V-3A charging current / Open lead-acid, sealed lead-acid, lead Gel and Ni-Cd
	Charging voltage	14.4Vdc (Boost) / 13.75Vdc (Trickle) / 2-9Vdc (Recovery)
	Charging time	15 hours (Boost)
	Charging curve	3 stage: IUoUo
	Protections	Reverse battery, detection of element in short circuit, sulphated battery check, alarm for flat battery (10-11V on Batt), protection against total discharge (9-10V on Batt)
GENERAL	Switch-free contacts	For: Mains or Backup power, Low battery & Battery fault
	Isolation	3000Vac (In / Out), 1605Vac (In / E), 500Vac (Out / E)
	MTBF	> 300,000 hours
	Enclosure Rating	IP20
APPROVALS	Conforms to:	IEC/EN 60335-2-29 Battery chargers; EN60950 / UL1950 Electrical safety; EN54-4 Fire Detection and fire alarm systems; 89/336/EEC EMC Directive; 2006/95/EC (Low Voltage); DIN41773 (Charging cycle); Emission: IEC 61000-6-3; Immunity: IEC 61000-6-2. CE.
DIMENSIONS	L x W x H	115 x 65 x 135 mm
	Weight	~ 0.60 kg
CONNECTIONS	Screw Terminal Block	2.5mm <sup>2</sup> (24 – 14 AWG)