



Features

- Universal AC input
- Output: **24Vdc/10A+10A (480W)**
- 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	3.3 – 2.2 A
	Inrush Current	≤ 16A ≤ 5 mS
	Frequency	47 – 63 Hz
OUTPUT	Output Voltage	24Vdc
	Output Current at 40°C	10A to load, 10A to BAT
	Efficiency	83% 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	24V-10A charging current / Open lead-acid, sealed lead-acid, lead Gel and Ni-Cd
	Charging voltage	28.8Vdc (Boost) / 27.5Vdc (Trickle) / 2-16Vdc (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 (20-21V on Batt), protection against total discharge (19-20V 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 61000-6-4; Immunity: IEC 61000-6-2. CE.
DIMENSIONS	L x W x H	115 x 100 x 135 mm
	Weight	~ 0.85 kg
CONNECTIONS	Screw Terminal Block	2.5mm ² (24 – 14 AWG)