

CONDENSED REQUIREMENT
2U 19" RACK POWER SUPPLY & CHARGER

- Input Voltage: 180-250V AC with power surge protection
- Output Voltage: 12V DC at 30A
- Output continuously rated
- Fully fused
- LED Output indicator
- Output over-voltage Crowbar protection
- IEC chassis plug with 2M mains cable
- Separate battery and load connections
- Low Voltage Disconnect circuit (Load-shed). Factory adjusted to: Switch off 11.1V
Switch on 13V
- Compatible with external battery / batteries for float charging (13.5 – 13.8V)
- Internal adjustments for "Load-shed", "Output-low" and "Load-shed Warning" thresholds.
- Ripple voltage 100mV P-P maximum
- RF radiation field strength in the VHF and UHF frequency band: Not to exceed –119dBm

Alarms:

- Local (Front panel indication)
 - Mains Fail
 - 12V Available
 - 12V Fail
 - Remote (Potential-free contacts with front panel indication)
 - Mains Fail
 - Battery Low Non-urgent (Factory adjusted to 11.8V)
 - Battery Low Urgent (Factory adjusted to 11.4V)
- NOTE:** Tolerance for factory Voltage adjustments $\pm 100\text{mV}$

Dimensions:

- Width: 19" or 485mm (430mm excl. mounting flange)
- Depth: 200mm
- Height: 2U (85mm)

General:

- Color: Light Gray
- Environmental conditions:

Altitude	:	0 – 1 800 m above sea level.
Ambient temperature	:	Minimum : -10 °C.
	:	Maximum : +60 °C.
Relative humidity	:	As high as 86%.
Lightning conditions	:	Severe.

- Component numbering and position indicated with silk screening
- All connectors and sockets to be durable and anti-corrosive.
- Service manual on CD to be provided: Circuit schematic with description
Fault finding and setup procedure
- One-year guarantee on electronic and mechanical failure.
- Sample to be provided for evaluation prior to ordering of units.