

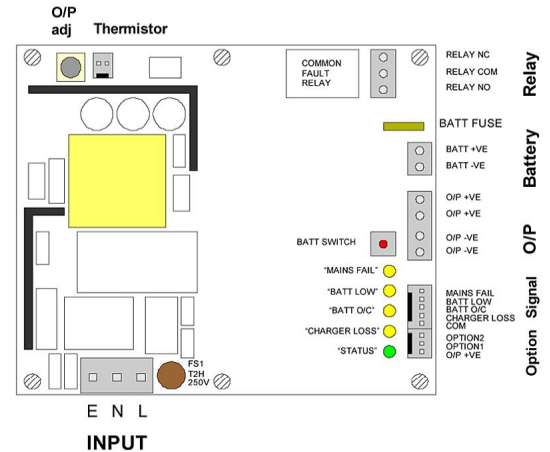
**PRODUCT CODE:**  
**ENS-005X (CHASSIS)**  
**ENS-005 (BOXED)**

## 24V DC POWER SUPPLY C/W BATTERY CHARGER



- Single output plus battery charger
- Deep discharge battery protection
- Reverse battery protection
- High efficiency
- Cased unit
- Low touch currents
- Meets requirements for EN54-4 1998 inc Amends 1&2
- Meets requirements of EN61000-3-2 PFC Class A
- Meets requirements of EN55022 'B' for conducted noise
- CE marked to LVD. Certified to EN60950.

### Connection Diagram



### Specification:

INPUT		
Input voltage	200 - 230 Vac +/-10%	
Frequency Range	50-60Hz	
Temperature Range	0 – 50°C ambient (Convection cooled, cased)	
OUTPUT		
Output Voltage	27.6V (factory set for operation with thermistor)	
Output Current	4A	
Power limit	115% +/-10% (100Vacin)	
Short Circuit protection	Hiccup mode	
Indicators Onboard	Mains Fail, Battery O/C, Charger Loss, Battery Low - LED's & open collector – 100mA sink, Status LED Green = Flashing = OK Common Fault (Volt free) relay 2x Customer options – open collector – 30mA sink HiZ indication =0.66I Battery Powerfail signal = 100mS	
Current limit	Primary side power limit	
Thermal protection	Primary side thermal protection (non-latching)	
Noise & ripple	0.5% (230Vacin, Full load, BW = DC – 10MHz)	
BATTERY		
Charger	Current limited @ 1A	
Temp compensation	Connector provided for user to add 100Kl thermistor (K=4400) Suitable for standby use	
Deep discharge protection	21V +/-02.5V	
ENVIRONMENT		
Temperature	-10°C to +70°C (Derate 2.5% / °C above 50°C)	
Cooling	Convection only	
Humidity	10-95% non-condensing	
Storage	-25°C to +85°C	
MTBF	>80,000 hrs 25°C (MIL217F parts count method)	
MECHANICAL		
CHASSIS	BOXED (METAL RAL7035)	
Dimensions	149mm x 122mm x 49.5mm (H)	400mm (W) x 300mm (H) x 110mm (D)
Fixings	4x 4.2mm holes	4 x 6mm holes
Connections	See above	See above
Weight	0.56kg	3.75kg