

6500 3A PSU Technical Specification

Rated Voltage	230V ac rms (+10% -15%)
Rated Frequency	45 to 60 Hz
Rated Current	700mA rms
Maximum Inrush Current	20A at 240V from cold
Maximum Quiescent Load, I _{max_a}	1.4A (batteries charging)
Maximum Alarm Load, I _{max_b}	3A (batteries not charging)
Maximum current drawn from batteries	3A (Mains power disconnected)
Minimum Load, I _{min} , panel only	10mA
Current taken from the standby batteries during mains fail	8mA
Environmental	Designed to meet IP30
Ambient Temperature Limits	-5 to 40 Degrees C
Humidity Limits	90% (no condensation or icing)
Current Consumption from Batteries (low battery cut-off condition)	8mA
Mains Input Fuse (FS1)	3.15A 250Vac HBC time delay 20mm x 5mm
Battery Type (2 batteries in series) ¹	Only use Online 12V SLA batteries models OL7-12, OL12-12 ,OL18-12 or OL24-12
Battery Fuse (FS2)	4A Quick Blow 20mm x 5mm glass
Output Voltage Range	19 to 29V DC
Output Ripple Voltage	100mV maximum (peak to peak) at full output load
Battery Charge Voltage	27.3V at 20 degrees C. Temperature compensated at – 40mV / deg C using a remote temperature probe.
Battery Charge Current	1.5A (reduced to 300mA when the output load exceeds approximately 1.4A)
Battery Over Voltage Fault Level	28.5V dc (nominal)
Battery Under Voltage Fault Level	21.6V dc (nominal)
Battery Low Voltage Cut-off Level	19V dc Battery Voltage (outputs turn off)
Battery Monitoring	Charger dip, battery load and internal impedance measurement
Maximum Battery Resistance (R _i)	1Ω (battery internal resistance + lead and connection resistances)
Fault Relay Contact	Maximum rating of 1A at 24V DC (resistive load)