

## 60J SMPSU 12V DC 5000mA 11-55-25 C-Pos IEC-C14

T1250-025



### FEATURES

- In-line light weight compact Switch Mode Power Supply Units with a wide 96V-264V AC input voltage range to suit travel product applications.
- Standard IEC-C14 inlet allows the correct IEC-C13 power cord to be selected for different countries.
- Electrical Safety Authority Approved.
- Other voltages and choice of output plug can be custom made upon request.

### INPUT REQUIREMENT

	MINIMUM	NOMINAL	MAXIMUM
AC Input Voltage	90 VAC	100 - 240 VAC	264 VAC
AC Input Frequency	47 Hz	50 / 60Hz	63 Hz
AC Input Current		1.5 A Maximum	
AC Inrush Current – 230V AC, 50Hz	Shall not exceed 80A. No damage shall occur and the input fuse shall not blow. Peak inrush current is limited to 80A for a cold start.		
Power Consumption at No Load (Maximum)	Input 240V AC 50 Hz - 0.5W max		
Configuration	2-conductors, <Active, Neutral>		

To view Access' extensive ranges go to: [www.accesscomms.com.au](http://www.accesscomms.com.au)

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### OUTPUT REQUIREMENT

Normal DC Output Voltage	+12.0V (11.4V min; 12.6V max) Measured at the end of the output cable
Minimum Load Current	0.0 A
Nominal Load Current	5.0 A
Ripple and Noise	120mV Voltage measured P-P at 20MHz and output parallel with a low ESR 0.1uF & 47uF ceramic capacitor to ground at rated input and full load condition. A1100 240V AC 50/60Hz
Efficiency	85% Minimum At normal input voltage and full load
Hold Up Time (min)	10ms At 230V AC Input and Maximum Load
Over-Current Protection	Trip Range > 6A and ≤ 12.5A The adaptor shall hiccup and the voltage will drop when an over current is applied to the output. The adaptor shall auto recover to its normal state when the over current condition is removed
Output Overshoot / Undershoot	10% When Power is switched on or off with full load condition
Short Circuit Protection	The adaptor's input power shall decrease when the output is short circuited and it shall withstand this condition without damage. It shall self-recover to the normal state when the fault condition is removed
Turn on Delay Time	Turning on from a cold start and with rated input voltage and a full load, the output voltage of the power supply shall reach the steady state value within 5 seconds
Output Dynamic Response	The power supply shall maintain an output transient response time within 10ms with a load current change from 20% to 80% of maximum current and 0.5A/μs rise up vor drop down tested at the output terminals

### RELIABILITY

Dielectric withstanding voltage test (Hi-pot test)	4,242V DC, 10mA, 1 minute for type test (Primary to Secondary) 4,242V DC, 10mA, 3 seconds for production (Primary to Secondary)
Insulation Resistance	> 10MΩ at 500V DC between input and output
Leakage Current	< 0.25mA at maximum input voltage

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