

Input

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Input Voltage	85		264	VAC	Derate below 90 VAC to 90% load at 85 VAC
Input Frequency	47		63	Hz	
Power Factor		0.9			EN6100-3-2 for class A, Class C >125 W
Input Current			4.7	A	90 VAC, 100% load
No Load Input Power		1.25/2.6		W	115 VAC/230 VAC when inhibited
Inrush Current		130		A	230 VAC, cold start 25 °C
Earth Leakage Current			500	µA	264 VAC/60 Hz. For reduced leakage current medical versions (<300 µA) contact sales.
Fuse Protection	F5.0A/250V fitted in both line and neutral				

Output

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Output Voltage	12		48	VDC	See Models and Ratings table
Initial Set Accuracy			±1	%	Of nominal at 50% load
Output Voltage Adjustment -V1	±2			%	
Load Regulation			1	%	
Line Regulation			±0.5	%	Of nominal, for input voltage range of 90-264 VAC
Ripple and Noise			1	%	Pk-pk with 20 MHz bandwidth, 1.5% 12 V models
Hold Up Time	10			ms	
Minimum Load					No minimum load required
Transient Response			<4	%	Deviation with a 50%-75%-50% load change. Output returns to within 1% in less than 500 µs
Overload Protection - V1	110		150	%	Trip and Restart
Overvoltage Protection - V1	115		140	%	Cycle AC to reset
Overtemperature Protection					Thermal protection fitted
Remote On/Off	<0.4 V to switch off, open cct or >4 V to switch on				
Temperature Coefficient			0.02	%/°C	After 20 minute warm up
Start Up Time			1	s	115/230 VAC, full load
Overshoot			5	%	

General

Characteristic	Minimum	Typical	Maximum	Units	Notes & Conditions
Efficiency	87	90	93	%	See figures 2 – 4 below
Isolation: Input to Output Input to Ground Output to Ground	4000			VAC	2 x MOPP
	1500			VAC	1 x MOPP
	1500			VAC	1 x MOPP
Switching Frequency	60		200	kHz	PFC
	90		150		Main Converter
Mean Time Between Failure		570		kHrs	MIL-HDBK-217F, notice 2, +25 °C GB
Power Density			13	W/in ³	
Weight		1.5 (0.68)		lb (kg)	