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- Power The World with Highest Efficiency

ENR-0760

Features

- 600W Output, 1U 1+1 Redundant Power
- Protections: OVP, OCP, OTP, SCP
- Reliability: MTBF > 150,000 hrs @ 25°C, Full Load
- Efficiency (Module): Min 92% @ 230Vac Input, 50% Load
- Safety Approval: cUL, Nemko B, CB
- Warranty: 3-year Manufacturer



1U 1+1

Input Specification		Min.	Normal	Max.	Units
Parameter	Conditions/Description				
Input Voltage Range	Universal Input	90	100-240	264	V(ac)
Input Frequency Range		47	60/50	63	Hz
Input Current	Measured at 90 Vac / 264 Vac input, full load output		8/4		A
Inrush Current	Measured at 50A, 115Vrms /100A, 230Vac (25°C ambient temperature, cold start).			50	A
Efficiency (Module)	Measured at 230Vac input, 50% load	92			%

Output Specification		Voltage Regulation			Ripple Noise	Output Current (Amps)			
Parameter	Conditions/Description	Range	Min. (V)	Max. (V)	(mVp-p)	Min.	Normal	Max.	Peak
+3.3V		+/-5%	3.14	3.47	50	0.1	-	17	-
+5V		+/-5%	4.75	5.25	50	0.2	-	20	-
+12V1		+/-5%	11.4	12.6	120	1	-	50	-
+12V2		+/-5%	11.4	12.6	120	1	-	50	-
-12V		+/-10%	-10.8	-13.2	120	0	-	0.3	-
+5VSB		+/-5%	4.75	5.25	70	0	-	3	-
Total continues of all DC outputs power shall not exceed 600W.									
Voltage Hold-Up Time	Measured at 115Vac/60Hz or 230Vac/50Hz/90% load after power source removed.					17			mSec
Turn-on Delay Time	Delay from AC being applied to all output voltages being within regulation.					100		500	mSec

Environmental Specification		Min.	Normal	Max.	Units
Parameter	Conditions/Description				
MTBF	Calculated via MIL-HDBK-217F @ 25°C ambient temperature , Full load, 115 Vac	150,000			Hours
Operating Temperature	Full load	0		50	°C
Storage Temperature		-40		70	°C
Operating Altitude				10,000	ft
Storage Altitude				50,000	ft
Dimension	Length x Width x Height	295 x 106 x 41.5			mm
Cooling Fan	12VDC	40			mm
ROHS	European Directive 2002/95/EC				

Reliability Protection		Recovery Mode
Parameter	Conditions/Description	
Over Voltage		Shut Down Output, Auto recover once reset AC power-on by user
Over Current	Transit to current limit mode if output over 110% - 150%	Shut Down Output, Auto recover once reset AC power-on by user
Over Temperature		Shut Down Output, Auto Recover once faults conditions removed
Short Circuit		Shut Down Output, Auto Recover once faults conditions removed

Safety & EMC Compliance		Comment
Category	Standard	
SAFETY	cUL, Nemko B, CB	Pending
EMI Conduction & Radiation		Compliance
Harmonic Current Emissions		EN61000-3-2 Compliance
EMS Immunity	Voltage Fluctuation	EN61000-3-3 Compliance
	Electrostatic Discharge (ESD)	EN61000-4-2 Compliance
	Radiated Susceptibility	EN61000-4-3 Compliance
	Fast Transients / Burst - EFT	EN61000-4-4 Compliance
	Input Line Surge Immunity	EN61000-4-5 Compliance
	Conducted Susceptibility	EN61000-4-6 Compliance
	Voltage Dips	EN61000-4-11 Compliance

