

- Power The World with Highest Efficiency

# ENR-0625

## Features

- **250W Output, 2U 1+1 Redundant**
- **Protections:** OVP, OCP, OTP, SCP
- **Reliability:** MTBF > 100,000 hrs @ 25°C, Full Load
- **Efficiency:** Typically 80% @ Normal AC Input, Full Load
- **Safety Approval:** cUL, Nemko B, CB
- **Warranty:** 3-year Manufacturer



Input Specification					
Parameter	Conditions/Description	Min.	Normal	Max.	Units
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		3.5/1.5		A
Inrush Current	Measured at 50A, 115Vrms /100A, 230Vac (25°C ambient temperature, cold start).			50	A
Efficiency	Measured at normal AC input, full load		80		%

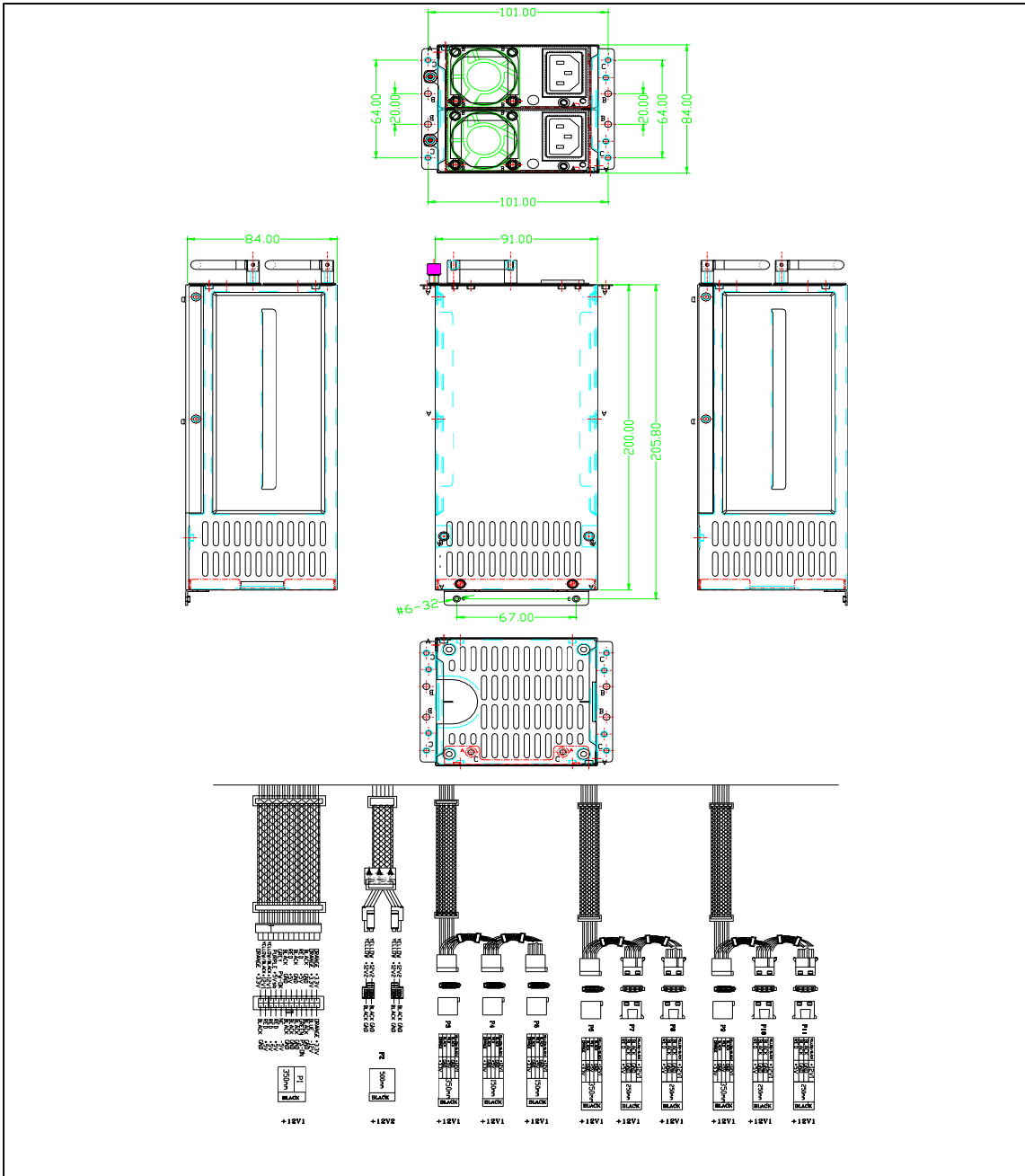
Output Specification									
Parameter	Conditions/Description	Voltage Regulation			Ripple Noise	Output Current (Amps)			
		Range	Min. (V)	Max. (V)	(mVp-p)	Min.	Normal	Max. Peak	
+3.3V		+/-5%	3.14	3.47	50	0.1	-	13	-
+5V		+/-5%	4.75	5.25	50	0.2	-	14	-
+12V1		+/-5%	11.4	12.6	120	1	-	18	-
+12V2		+/-5%	11.4	12.6	120	1	-	18	-
-12V		+/-10%	-10.8	-13.2	120	0	-	0.3	-
+5VSB		+/-5%	4.75	5.25	70	0	-	2.5	-
Total continues of all DC outputs power shall not exceed <b>250W</b> .									
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					
Parameter	Conditions/Description	Min.	Normal	Max.	Units
MTBF	Calculated via MIL-HDBK-217F @ 25°C ambient temperature , Full load, 115 Vac	100,000			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	200 x 91 x 84			mm
Cooling Fan	12VDC	40			mm
ROHS	European Directive 2002/95/EC				

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

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**Notes**

1. Datasheets are updated as needed and as such, specifications are subject to change without notice. Once printed or downloaded, datasheet are no longer controlled by Enhance Electronics, refer to <http://www.enhanceusa.com> for the most current product specifications.
2. Product labels shown, including safety agency certifications on labels, may vary based on the date manufactured.
3. Mechanical drawings (model No. ENR-0625) is for reference only. **The cable wire configuration can be fully customize base on customer's request.** Please contact your sales representative for detail.
4. Specifications are for reference only. All specifications are measured at an ambient temperature of 25°C, humidity 65%, 230Vac nominal input voltage and at rated output load unless otherwise specified.