

13100 Alondra Blvd., #106. Cerritos, California 90703 Tel: 562-677-1268, Fax: 562-677-1269 web site: http://www.enhanceusa.com

- 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

Input Specification					
Parameter	Conditions/Description	Min.			Units
Input Voltage Range	Universal Input	90	100-240	264	V(ac)
Input Frequency Range		47	60/50	63	Hz
	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			%

			Voltage Regulation				Output Current (Amps)			
Parameter	Conditions/Description	Range	Min. (V)		(mVp-p)	Min.			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	•	
otal continues of all DC ou	tputs power shall not exceed 600W.									
/oltage Hold-Up Time	Measured at 115Vac/60Hz or 230V	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 o	d to all output voltages being within regulation.				100		500		mSec

Environmental Specification					
Parameter	Conditions/Description	Min.			
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		
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		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

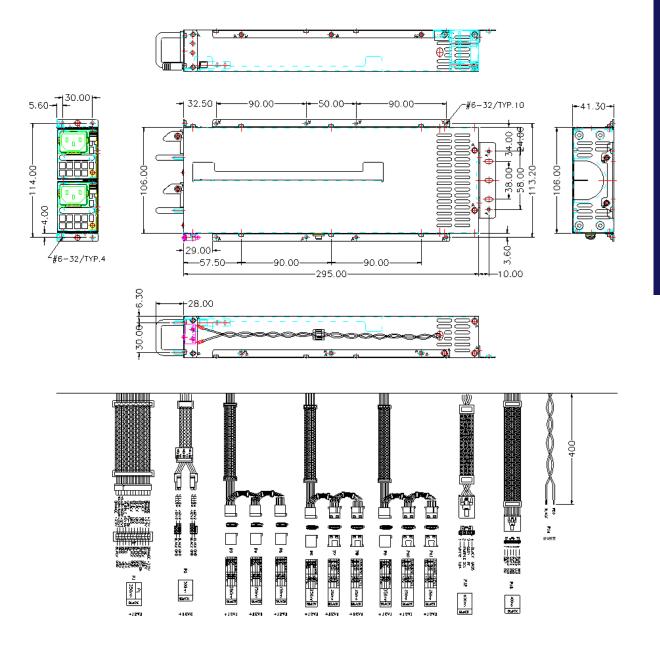
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Notes

- 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 <u>http://www.enhanceusa.com</u> 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-0760) 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.