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- Power The World with Highest Efficiency



ENP-7140B

400W Output, Active PFC

Protections: OVP, OPP, SCP, OTP

• Reliability: MTBF 100,000 hrs @ 25°C, Full Load

• High Efficiency: Meet 80+ Gold (87% @ 115Vac, Full Load)

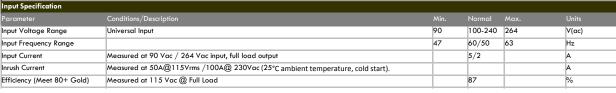
• Safety Approval: cUL, Nemko, CB • Warranty: 1-year manufacturer





CB (FC





	Voltage Regulation F			Ripple Noise	Output Current (Amps)				
Conditions/Description	Range		Max. (V)	(mVp-p)	Min.	Normal	Max.	Peak	Units
	+/-5%	3.14	3.47	50	0.	-	17	-	
	+/-5%	4.75	5.25	50	0	-	14	-	
	+/-5%	11.4	12.6	120	0	-	18	20	
	+/-5%	11.4	12.6	120	0	-	18	20	
	+/-10%	-10.8	-13.2	120	0	-	0.3	-	
	+/-5%	4.75	5.25	50	0	-	2.5	-	
Measured at 115Vac/60Hz or 230Vac/50Hz/90% load after power source removed.						mSec			
				10		mSec			
֡		Conditions/Description Range +/-5% +/-5% +/-5% +/-5% +/-5% +/-10% +/-5%	Conditions/Description Range Min. (V) +/-5% 3.14 +/-5% 4.75 +/-5% 11.4 +/-5% 11.4 +/-10% -10.8 +/-5% 4.75	Range Min. (V) Max. (V) +/-5% 3.14 3.47 +/-5% 4.75 5.25 +/-5% 11.4 12.6 +/-5% 11.4 12.6 +/-10% -10.8 -13.2 +/-5% 4.75 5.25	Conditions/Description Range Min. (V) Max. (V) (m/p-p) +/-5% 3.14 3.47 50 +/-5% 4.75 5.25 50 +/-5% 11.4 12.6 120 +/-5% 11.4 12.6 120 +/-10% -10.8 -13.2 120 +/-5% 4.75 5.25 50	Conditions/Description Range Min. (V) Max. (V) (m/p-p) Min. +/-5% 3.14 3.47 50 0. +/-5% 4.75 5.25 50 0 +/-5% 11.4 12.6 120 0 +/-5% 11.4 12.6 120 0 +/-10% -10.8 -13.2 120 0 +/-5% 4.75 5.25 50 0	Conditions/Description Range Min. (V) Max. (V) (m/p-p) Min. Normal +/-5% 3.14 3.47 50 0. - +/-5% 4.75 5.25 50 0. - +/-5% 11.4 12.6 120 0. - +/-5% 11.4 12.6 120 0. - +/-10% -10.8 -13.2 120 0. - +/-5% 4.75 5.25 50 0. -	Conditions/Description Range Min. (V) Max. (V) (mVp-p) Min. Normal Max. +/-5% 3.14 3.47 50 0. - 17 +/-5% 4.75 5.25 50 0 - 14 +/-5% 11.4 12.6 120 0 - 18 +/-5% 11.4 12.6 120 0 - 18 +/-10% -10.8 -13.2 120 0 - 0.3 +/-5% 4.75 5.25 50 0 - 2.5 Measured at 115Vac/60Hz or 230Vac/50Hz/90% load after power source removed. 17	Conditions/Description Range Min. (V) Max. (V) (mVp-p) Min. Normal Max. Peak +/-5% 3.14 3.47 50 0. - 17 - +/-5% 4.75 5.25 50 0 - 14 - 1-/-5% 11.4 12.6 120 0 - 18 20 1-/-5% 11.4 12.6 120 0 - 18 20 1-/-10% -10.8 -13.2 120 0 - 0.3 - 1-/-5% 4.75 5.25 50 0 - 2.5 - Measured at 115Vac/60Hz or 230Vac/50Hz/90% load after power source removed. 17

Enviromental Specification						
Parameter	Conditions/Description					
MTBF	Calculated via MIL-HDBK-217F @ 25°C ambient temperature , Full load, 110 Vac	100,000				Hours
Operating Temperature	Full load	0		40		°C
Storage Temperature		-40		70		°C
Relative Humidity	Non-Condensing	20		85		%
Dimension	Length x Width x Height	150 x 82 x 40.5 / 5.9 x 3.2 x 1.59		mm / inch		
Cooling Fan	12VDC	40				mm
ROHS	European Directive 2002/95/EC					-

Reliability Protection		
Parameter	Conditions/Description	Recovery Mode
Overload	Transit to current limit mode if output over 110% - 160%	Shut Down Output, Auto recover once reset AC power-on by user
Over Voltage		Shut Down Output, Auto recover once reset AC power-on by user
Short Circuit		Shut Down Output, Auto Recover once faults conditions removed
Over Temperature		Shut Down Output, Auto Recover once faults conditions removed

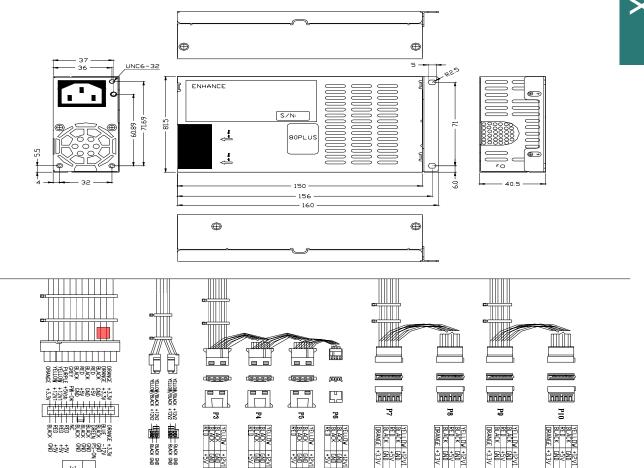
Safety & EMC Compliance			
Category	Standard		Comment
SAFETY	cUL, Nemko, CB		Approved
EMI Conduction & Radiation			Compliance
Harmonic Current Emissions		EN61000-3-2	Compliance
EMS Immunity	Voltage Fluctuation	EN61000-3-3	Compliance
	Electrostatic Discharge (ESD)	EN61000-4-2	Compliance
	Radiated Susceptibilty	EN61000-4-3	Compliance
	Fast Transients / Burst - EFT	EN61000-4-4	Compliance
	Input Line Surge Immunity	EN61000-4-5	Compliance
	Conducted Susceptibilty	EN61000-4-6	Compliance
	Power Frequency Magnetic Field	EN61000-4-8	Compliance
	Voltage Dips	EN61000-4-11	Compliance







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P1	Molex 39-01-2240 or equivalent
P7	Molex 39-01-2040 or equivalent
P3,P4, P5	Molex 8981-04P or equivalent
P6	AMP 171822-4 or equivalent
P2	Molex 88751 or equivalent SATA

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Notes

300mm

- 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.
- Product labels shown, including safety agency certifications on labels, may vary based on the date manufactured.
- Mechanical drawings (model No. ENP-7140B) is for reference only. The cable wire configuration may vary from other custom designed models as picture showing. Please contact your sales representative for detail.
- 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.