

ENP-5130GH - 300W 80Plus PC PSU

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Reviews



Case Details

150 x 140 x 86mm

General Specifications

Input Voltage	90 ~ 265Vac
Input Frequency	47 ~ 63Hz
Input Current	6.5A/115Vac; 4A/230Vac
Power Factor Correction	>0.95 at full load
Inrush Current	50A/115Vac; 100A/230Vac, cold start
Output Power	300W
Peak Output Power	320W maximum
Overshoot	<10% of nominal voltage
Efficiency	>80% under 20%, 50% & 100% load; at nominal voltage of 115Vac or 230Vac
Remote On/Off Control	LL PS-ON low outputs are enabled LL high or open outputs are disabled
Over Power Protection	At 110%~150% output power, shutdown and latch off
Over Voltage Protection	Should the unit go into OVP it shall latch off.
Under Voltage Protection	Should the unit go into UVP it shall latch off.
Over Current Protection	+5V, +12V1, +12V2 & +3.3V have separate OCP circuits to meet 240VA safety requirements
Short Circuit Protection	Short to +3.3V, +5V or +12V rail; shut down and latch off Short to negative rail; fold back Short to +5Vsb; once fault removed auto recover
Over Temperature Protection	No damage shall occur to the power supply
Rise Time	0.1 ~ 20mS
Power Good	turn on delay time 100 ~ 500mS turn off delay time 1mS min.
Rise Time	10mS max.
Hold Up Time	16mS at nominal input
Operating Temperature	0°C to 50°C
Operating Humidity	20 to 85% non-condensing
Storage Temperature, Humidity	-40°C to +70°C; 5 to 90% non-condensing
Safety Standards	Designed to meet UL 1950, TUV
EMC	EN61000-4-2, EN61000-4-4, EN61000-4-5, EN61000-4-8, EN61000-4-11, EN61000-4-3, EN61000-4-6, EN61000-3-3, EN61000-3-2, EN 55022
MTBF	FCC Part 15, Subpart J Class B 100,000 hrs, MIL-STD-217D/E

ENP-5130GH Output Data

Voltage	Voltage Range	Current Range	Peak Current	R&N	OVP	UVP
+3.3V	±5%	0 ~ 18.0A		50mV	4.8V max.	2.55 ~ 2.83V
+5V	±5%	0 ~ 12.0A		50mV	7.0V max.	4.1 ~ 4.47V
+12V1	±5%	1.0 ~ 10.0A		120mV	15.6V max.	9.5 ~ 10.5V
+12V2	±5%	1.0 ~ 13.0A	16.5A	120mV	15.6V max.	9.5 ~ 10.5V
-12V	±10%	0 ~ 0.3A		120mV		
+5Vsb	±5%	0 ~ 3.0A	3.5A	50mV		