



electronicpowersolutions

110 Watt GRN Series, Open Frame / Cased, Multi Output

- 1.25" Height, Compact 3"x 5" Footprint
- Universal AC Input
- Industrial & Medical Approvals
- Optional Chassis / Cover
- High Efficiency – up to 87%
- <1Watt No Load Input Power
- 2 Year Warranty



Specification

Input Voltage..... 85~264 VAC, 47~63 Hz
 Output Voltage..... See table below for output options (+/-5% adjustment range O/P 1)
 Output Power 110 Watts Maximum
 Over Load Protection..... 110% rated Pout min, Hiccup Mode, auto recovery
 Over Voltage Protection..... 110% and 150% of rated output voltage (output 1) (optional)
 Hold Up Time..... 16 ms typical, full power, 115Vinput
 Efficiency..... 85-87% depending on model
 Operating Temperature..... 0 °C to +70 °C, see derating curve
 Storage Temperature..... -40 to +85 °C
 Isolation..... I/P-O/P: 4 kVAC,
 Humidity..... 20~90% relative humidity, non condensing
 EMC..... EN55011, EN55022, FCC Part 15, Class B
 EN61000-3,2,3, EN61000-4-2,3,4,5,6,8,11
 Safety Approvals..... EN 60950-1, EN 60601-1
 Dimensions 127(L) x 76.2(W) x 31.8(H) mm
 Optional Cover 133.4 x 82.6 x 38.1mm

Output Models

Model	Output 1	Output 2	Output 3	Output 4
GRN-110-2001	5 V / 12 A	24 V / 3 A		
GRN-110-2002	5 V / 12 A	12 V / 5 A		
GRN-110-2003	12 V / 5 A	-12 V / 5 A		
GRN-110-2004	15 V / 4 A	-15 V / 4 A		
GRN-110-3001	5 V / 12 A		12 V / 3 A	-12 V / 3A
GRN-110-3002	5 V / 12 A		15 V / 3 A	-15 V / 3 A
GRN-110-4001	3.3 V / 10 A	5 V / 5 A	12 V / 2 A	-12 V / 2 A
GRN-110-4002	5 V / 10 A	-5 V / 5 A	12 V / 2 A	-12 V / 2 A
GRN-110-4003	5 V / 10 A	24 V / 2 A	12 V / 2 A	-12 V / 2 A
GRN-110-4004	5 V / 10 A	24 V / 2 A	15 V / 2 A	-15 V / 2 A

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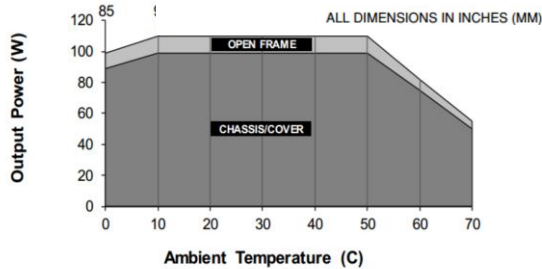
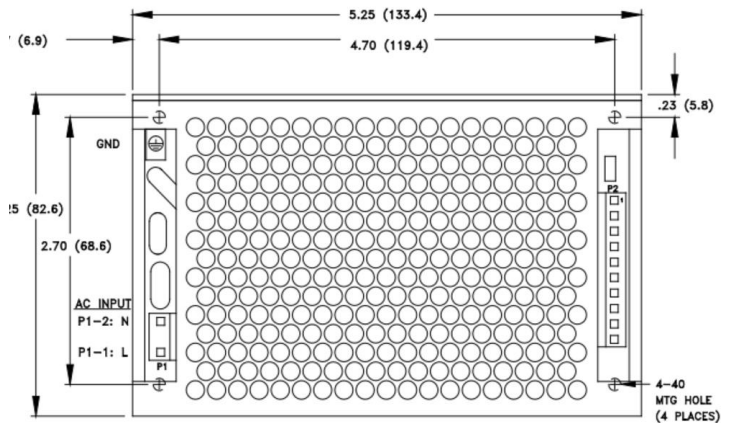
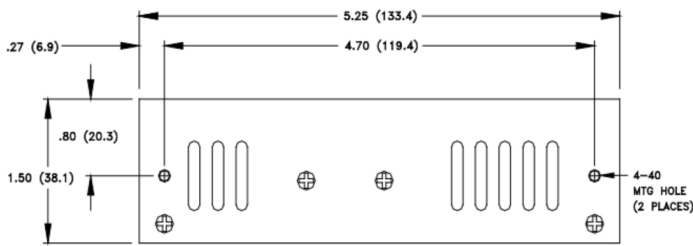
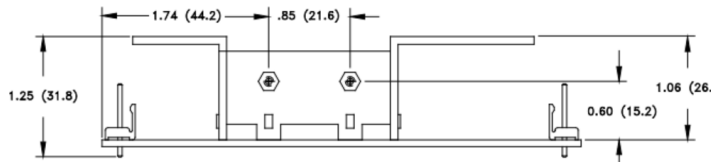
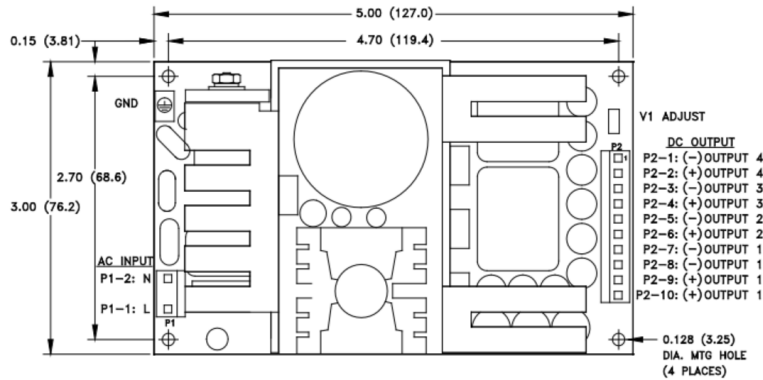
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Mechanical Drawings & Connection Details



Derating requirements - Derate from 100% load at 50° C to 50% load at 70° C.
 - Derate from 100% load at 90 V_{IN} to 90% load at 85 V_{IN}.
 - Derate 10% with chassis and cover.

Specifications are subject to change without notice, E&OE. ALL PSU Terms & Conditions apply.

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