



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
<a href="#">GRN-110-2001</a>	5 V / 12 A	24 V / 3 A		
<a href="#">GRN-110-2002</a>	5 V / 12 A	12 V / 5 A		
<a href="#">GRN-110-2003</a>	12 V / 5 A	-12 V / 5 A		
<a href="#">GRN-110-2004</a>	15 V / 4 A	-15 V / 4 A		
<a href="#">GRN-110-3001</a>	5 V / 12 A		12 V / 3 A	-12 V / 3A
<a href="#">GRN-110-3002</a>	5 V / 12 A		15 V / 3 A	-15 V / 3 A
<a href="#">GRN-110-4001</a>	3.3 V / 10 A	5 V / 5 A	12 V / 2 A	-12 V / 2 A
<a href="#">GRN-110-4002</a>	5 V / 10 A	-5 V / 5 A	12 V / 2 A	-12 V / 2 A
<a href="#">GRN-110-4003</a>	5 V / 10 A	24 V / 2 A	12 V / 2 A	-12 V / 2 A
<a href="#">GRN-110-4004</a>	5 V / 10 A	24 V / 2 A	15 V / 2 A	-15 V / 2 A

### ALL PSU LTD

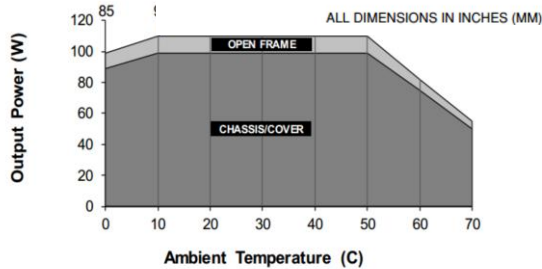
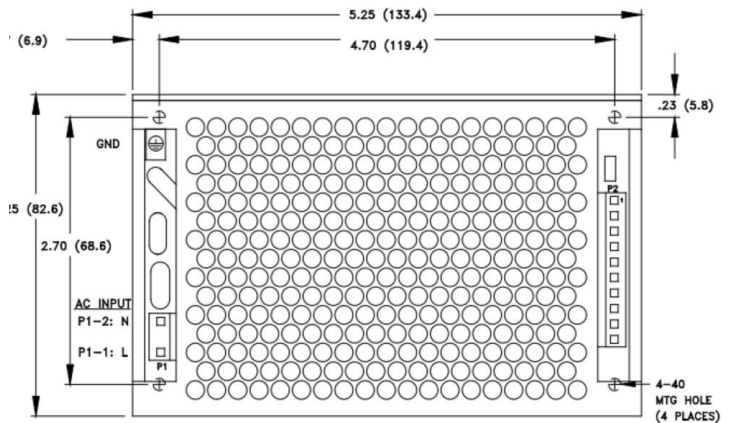
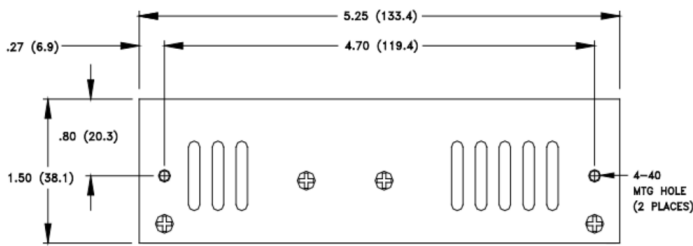
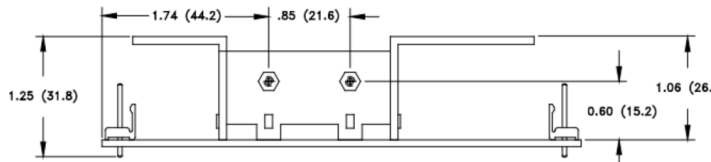
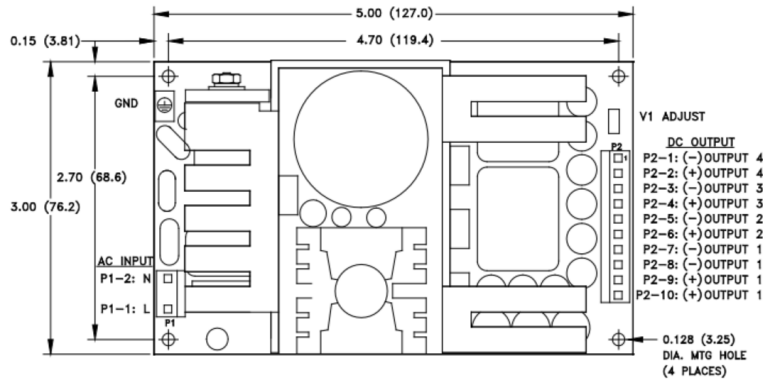
Unit D6 Laser Quay | Culpeper Close | Medway City Estate | Rochester | Kent  
 ME2 4HU Tel : 01634 725527 | Fax : 01634 739111  
 Email : [sales@allpsu.co.uk](mailto:sales@allpsu.co.uk) | Web : [www.allpsu.co.uk](http://www.allpsu.co.uk)



electronic powersolutions

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

**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<sub>IN</sub> to 90% load at 85 V<sub>IN</sub>.  
 - Derate 10% with chassis and cover.

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

**ALL PSU LTD**

Unit D6 Laser Quay | Culpeper Close | Medway City Estate | Rochester | Kent  
 ME2 4HU Tel : 01634 725527 | Fax : 01634 739111  
 Email : [sales@allpsu.co.uk](mailto:sales@allpsu.co.uk) | Web : [www.allpsu.co.uk](http://www.allpsu.co.uk)