

# ANP155 Series

Class II Dual LED Power Supply



## Features and Applications:

- Two(2) Independent Class II DC Output
- Highly Efficient Switching-Mode Technology
- Active PFC (Power Factor Corrected)
- Built for Outdoor Wet/Damp or Indoor Dry Applications
- Silicone encapsulated for ingress protection
- Built-in EMI Filter for Low Noise
- Rugged & Splash proof Aluminum Case for Ingress Protection
- Over-Current and Over-Voltage Protection with Auto-Recovery
- Output Voltage and Output Current Adjustable

All specifications are typical at nominal input, full load, at 25 °C unless otherwise stated.

### Electrical Specs

#### INPUT

Input Voltage Range	90 - 264Vac
Input Voltage Rating	100 - 240Vac
Frequency	47 - 63Hz
Input Current	Max. 2.5A @ 90Vac/60Hz, full load
Inrush Current	70A typical @230Vac input 25°C cold Start-up
Efficiency	85% typical @ full load, input 230Vac
Power Factor	≥ 0.95 at full load 115Vac


#### OUTPUT

Leakage Current	0.25mA@110Vac, 0.5mA @230Vac
Current Adjust Range	+0/-70% max.
Voltage Adjust Range	-20% ~ +10%
Short circuit protection	Shutdown and auto recovery
Ripple and Noise Voltage Level	<1% of output voltage
OTP Protection	85°C±5°C ambient temperature
OVP Protection	< 130% of nominal voltage
Hold-up time	25 ms @ full load , 115 Vac input
Start-up time	< 2 Sec.



### General

Isolation Voltage	3000V AC
Switching Frequency	50K Hz
Weight	4 Kg (8.8lbs.) max.
Warranty Info	3 year
MTBF	100,000 Hours at 25° C

### Environmental

Operating Temperature	-30°C to +70°C full load
Derating Temperature	+80°C at 50% load
Storage Temperature	-40°C to +85°C
Relative Humidity	5% to 95% non-condensing
Cooling	Convection
MTBF	100,000 Hrs at 25°C
RoHS	Compliant 

### Safety

UL	UL60950-1, UL1310(Wet) UL879: Eighth Edition, 2007
TUV	EN60950-1, IP65 
CE	

### EMC

Conducted Emissions	EN55022, FCC part 15 level B
Radiated Emissions	EN55022, FCC part 15 level B

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## Order Information

**Table1: ANP155 Series Model Output Specifications(230V)**

Model	Output Voltage	# of Channels	V-Adjustment On board Pot	CC-Adjustment On board Pot	OCP Trip Setting	Max Combined Current	Max. Output Power
ANP155-12AC	12V	2	-20%/+10%	-70/+0%	5A	10A	120W
ANP155-15AC	15V	2	-20%/+10%	-70/+0%	4A	8A	120W
ANP155-19AC	19V	2	-20%/+10%	-70/+0%	3.16A	6.32A	120W
ANP155-24AC	24V	2	-20%/+10%	-70/+0%	3.13A	6.26A	150W
ANP155-30AC	27V	2	-20%/+10%	-70/+0%	2.5A	5A	150W
ANP155-36AC	36V	2	-20%/+10%	-70/+0%	2.08A	4.16A	150W
ANP155-48AC	48V	2	-20%/+10%	-70/+0%	1.56A	3.12A	150W

**Note :**

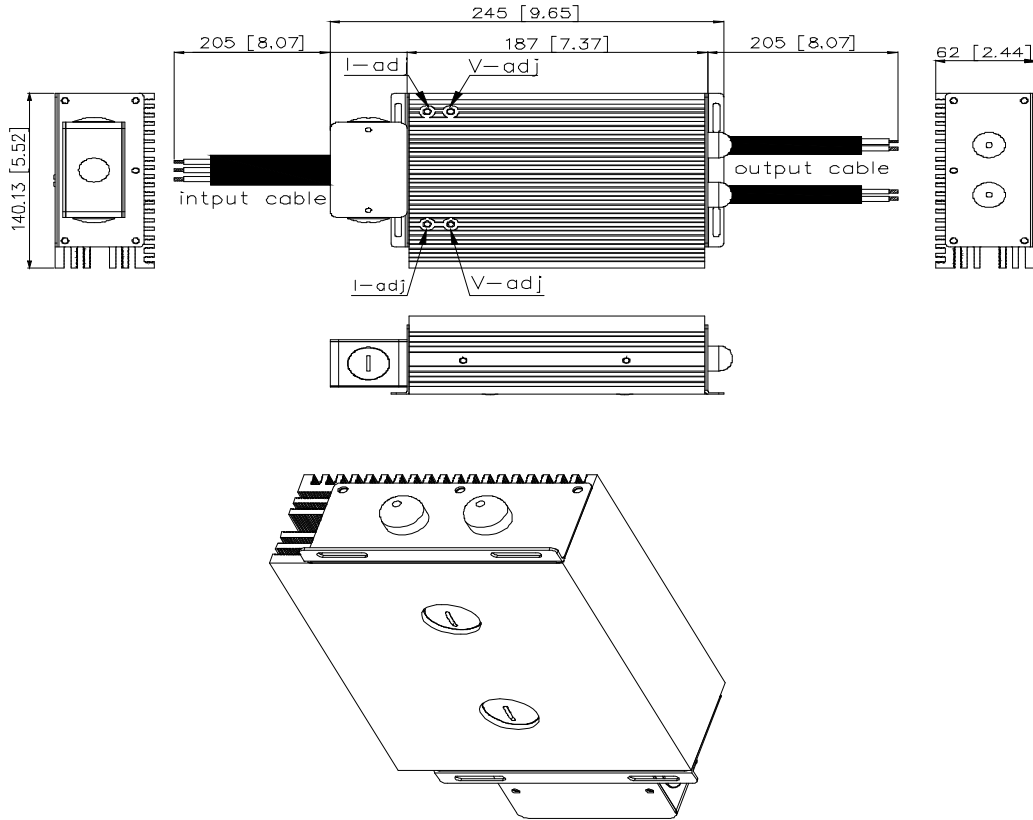
Each individual DC output channel will automatically shut down and auto-recover after an over-current limit (OCP) Trip event . The other output channel will be unaffected by a single channel OCP trip event as long as the over current For the individual channel measures less than 2X the OCP limit during it's auto recover cycle . All other outputs will Be shut down and placed into auto recovery mode as soon as the over current of any individual channel exceeds the 2X OCP limit.

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## Mechanical Information



Note: All dimensions in mm(inches)

DataSheet @ Amperor, Inc. @ 2008

The information and specifications contained in this data sheet are believed to be accurate at time of publication. Specifications are subject to change without notice.