

ANP240 Series - 277V

Class 2 Quad Channel LED Power Supply



Features and Applications:

- Four (4) Independent Class 2 DC Outputs
- Highly Efficient Switching-Mode Technology
- Active PFC (Power Factor Corrected)
- Built For Outdoor Wet, Damp or Indoor Dry Applications
- Silicone Encapsulated For Wet Locations
(Use UV approved Water-Tight Conduit and Fittings)
- Built-in EMI Filter For Low Noise
- Rugged Rain-Proof Aluminum Extruded Case - IP65 Rated
- 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 Specifications





INPUT

Rated Input Voltage Range	100 - 277Vac
Frequency	47 - 63Hz
Input Current	max. 3A @115Vac/60Hz, full load
Inrush Current	50A typ. @ 230V, 25°C cold start
Efficiency	≥85% typ. @full load, input 230Vac
Power Factor	≥0.95 at full load 115Vac and the entire input voltage range

OUTPUT

Output Voltage Adjustment	-20% ~ +10%
Leakage Current	2mA @110Vac, 4mA @230Vac
Low Ripple & Noise Voltage	<1% V output
Over Voltage Protection	<130% nominal voltage
Short Circuit Protection	Shutdown & Auto Recovery
OTP Protection	105°C ± 5°C @ Case Ambient
Start-up time	< 2 sec.


Safety Certifications

UL	UL60950-1, UL1310 (Wet), UL8750, UL879 (in SAM)
UL	E-File# E307120, E328880 (UL Recognized)  E-File# E328880 (UL Listed) 
TUV	EN60950-1 
CE	

General Specifications

Isolation Voltage	3000V AC
Switching Frequency	100K Hz
Weight	4.2 Kg (8.8lbs.) max.
Warranty Info / MTBF	Contact Amperor for detailed Warranty and MTBF info
Robust Design	Guaranteed Full Load at 70° C Derate to 50% at 80° C UL Class 2 Wet Location

Environmental Specifications

Operating Temp.	-30°C to +70°C full load
Storage Temp.	-40°C to +85°C
Relative Humidity	5% to 95% (non-Condensing)
Enclosure	Outside case sealed per IP65
Cooling	Conduction
RoHS	Compliant 

EMC

Conducted Emissions	EN55015, FCC part 15 level B
Radiated Emissions	EN55015, FCC part 15 level B
Surge Protection	EN61000-4-5, Level 2 L-N: 1KV, L/N-PE: 2KV

Amperor Inc.
11320 Neeshaw Dr.
Houston, TX 77065
1-281-807-3320
<http://www.amperor.com>

Amperor Adelmann GmbH
Hanns-Martin-Schleyer- Strasse 30,
47877 Willich, Germany
+ 49 2154 8168900

Intertek Corp., an Amperor Company
4th, Fl, Far East World Center
Xintai 5th Rd., Xizhi Dist.,
New Taipei City, 22101, Taiwan R.O.C.
886-2-2698-2239

ANP155 Series - 277V

Class 2 Dual Channel LED Power Supply



Order Information

Table1: Model vs. Output Specifications

Model	Output Voltage	# of Channels	Voltage On-board Potentiometer Adjustment Range	Current On-board Potentiometer Adjustment Range	OCP Trip Point	Max Combined Current	Max Output Power Watts
ANP155-12AC-277	+ 12V	2	-20 / +10 %	-70 / +0 %	5.0A	10A	120W
ANP155-15AC-277	+ 15V	2	-20 / +10 %	-70 / +0 %	4.0A	8A	120W
ANP155-19AC-277	+19V	2	-20 / +10 %	-70 / +0 %	3.16A	6.32A	120W
ANP155-24AC-277	+ 24V	2	-20 / +10 %	-70 / +0 %	3.13A	6.26A	150W

Notes:

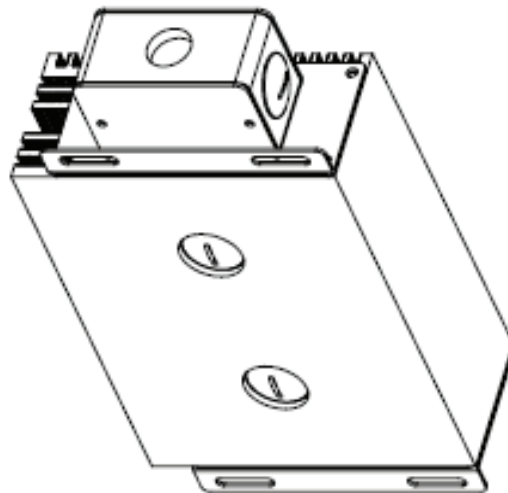
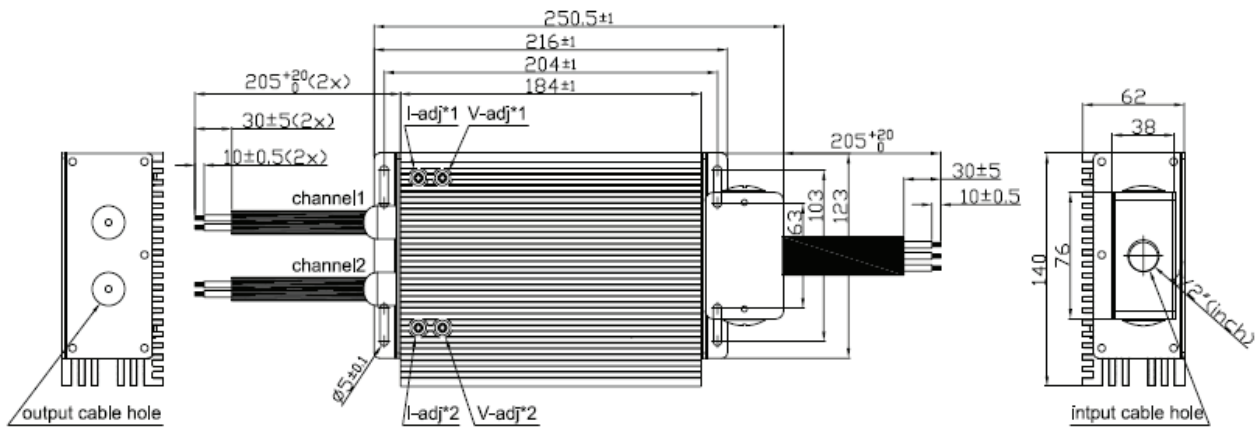
Each individual DC output channel will automatically shut down and auto-recover after an over-current limit (OCP) Trip event . The other output channel will be unaffected by a single channel OCP trip event as long as the over current for the individual channel measures less than 1X the OCP limit during it's auto recovery cycle . Only one output will Be shut down and placed into auto recovery mode as soon as the over current of any individual channel exceeds the 1X OCP limit.

ANP155 Series - 277V

Class 2 Dual Channel LED Power Supply



Mechanical Information



Notes: All dimensions in mm.

Amperor, Inc. DataSheet © 2009

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.

Amperor Inc.
11320 Neeshaw Dr.
Houston, TX 77065
1-281-807-3320
<http://www.amperor.com>

Amperor Adelman GmbH
Hanns-Martin-Schleyer- Strasse 30,
47877 Willich, Germany
+ 49 2154 8168900

Intertek Corp., an Amperor Company
4th, Fl, Far East World Center
Xintai 5th Rd., Xizhi Dist.,
New Taipei City, 22101, Taiwan R.O.C.
886-2-2698-2239