

AD1500S series

500Watts, Dual Output Power with DIN Rail

- Output voltage: 24V, 48V, 55V
- High Power 500Watts
- Standard Operating Temperature: -20°C ~ 50°C



OVERVIEW

Lantech AD1500S Power series is rigid and compact design for space saving and industrial applications. It supports power ready signal and ring diode circuit for redundant application as well as over-voltage, over-load and short circuit protection. The AD1500S is the high power model which provides higher power output up to

500W for devices that require higher power supply. Attentive design to be snapped on DIN rail or wall mounted by bracket fits most of installation requirement. All models are RoHS compliant and meet with UL 60947 requirement.

FEATURES & BENEFITS

- High power density
- Universal input range
- Convection cooled
- RoHS compliance
- 1 - year warranty
- Great reliability
- DIN rail / Wall bracket mounting solution
- Overvoltage protection
- Overload protection
- Short circuit protection

SPECIFICATION

Input Voltage	115~230VAC
Input Frequency	47~63Hz
Input Inrush Current	22A/115VAC 44A/230VAC (Cold start)
Output Hold-up Time (Fullload@220VAC)	20mS Min
Output Temp. Coefficient	±0.04% / °C
Output Overvoltage Protection	Auto recovery
Output Overload Protection	Power limited
Output Short Circuit Protection	Auto recovery
Transient response (Load change 50% to 100%)	Voltage deviation: 5% Recovery time: 2mS
EMC Standards	EN 55011 Class B EN 55022 Class B EN 61000-4-2 Level 3

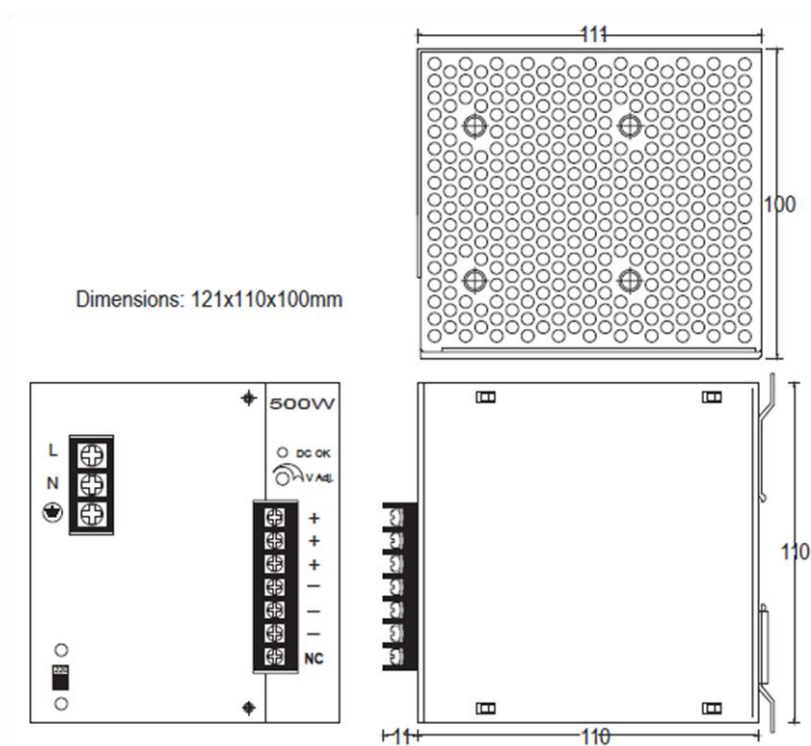
Safety Standards	EN 61000-4-3 Level 3 EN 61000-4-4 Level 3 EN 61000-4-5 Level 3 EN 61000-4-6 Level 3 EN 61000-4-8 Level 3 EN 61000-4-11 Level 3
Operating Temperature	UL
Operating Humidity	-20°C ~ 50°C (-4°F ~ 122°F) ambient, derating each output at 2.5% per degree from 50°C ~ 70°C
Vibration	Non-condensing, 5% ~ 95%RH
MTBF	Random vibration, 10Hz ~ 100Hz, 3axis
Case Dimension	60,000hrs Min. Per MIL-HDBK-217F, 25°C GB
Warranty	121(D)x110(H)x100(W)mm
	1 year

OUTPUT SPECIFICATION

Model	O/P voltage Adjustment	Loading (A)			Ripple Noise	Line Reg.	Load Reg.	Efficiency	Overvoltage Protection
		Min.	Rated	Max.					
AD1500-24S	+24VDC±10%	0A	21A	21A	150mVp-p	±1%	±1%	84%	27~30VDC Max
AD1500-48S	+48VDC±10%	0A	10.5A	10.5A	250mVp-p	±1%	±1%	85%	52~56VDC Max
AD1500-48S-5	+55VDC±10%	0A	9.0A	9.0A	250mVp-p	±1%	±2%	85%	60~65VDC Max

- Note:
1. Each output can supply up to maximum current, but total loading cannot exceed rated output wattage.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 110VAC input.
 4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 110VAC input.
 5. Efficiency is measured at rated load and 110VAC input.

DIMENSIONS (unit=mm)



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