

ADWS-150 series

150W Ultra short LED Power Supply



■ Features:

- Constant voltage design
- European AC input range
- Protections: Short circuit / Over current / Over Temperature
- Cooling by free air convection
- Ultra short case design
- Fully encapsulated with IP67 level [5]

RoHS SELV

© ELECTRICAL SPECIFICATION

MODEL	ADWS-150-12	ADWS-150-24
OUTPUT		
<i>Rated Voltage</i>	12V	24V
<i>Rated Current</i>	12.5A	6.25A
<i>Rated Power</i>	150W	
<i>Line Regulation</i>	± 1%	
<i>Load Regulation</i>	± 2%	
<i>Tolerance [3]</i>	± 2%	
<i>Ripple & Noise (max.) [2]</i>	1.70V _{P-P}	
<i>Setup, Rise Time [4]</i>	470ms, 80ms / 230VAC at full load	
<i>Hold up Time</i>	42ms / 230VAC at full load	
INPUT		
<i>Voltage Range</i>	170 ÷ 264VAC	
<i>Frequency Range</i>	47 ÷ 63Hz	
<i>Efficiency (typ.)</i>	86%	
<i>AC Current (typ.)</i>	1.30A / 230VAC	
PROTECTIONS		
<i>Overload</i>	Range: 110 ÷ 180% of rated current Type: hiccup mode, auto-recovery.	
<i>Short Circuit</i>	Type: hiccup mode, auto-recovery.	
<i>Over Temperature</i>	Range: 110°C ± 10°C (detect by main IC) Type: Shut down o/p voltage, re-power on to recover	
WORKING ENVIRONMENT		
<i>Working Temperature</i>	-30°C ÷ 50°C (Refer to Derating Curve)	
<i>Working Humidity</i>	20 ÷ 99% RH non-condensing	
<i>Storage Temperature and Humidity</i>	-40°C ÷ 80°C, 10 ÷ 99% RH non-condensing	

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SAFETY AND EMC REGULATIONS

Safety Standards	Compliance to EN61347-1, EN61347-2-13, IP67
Withstand Voltage	I-P/O-P: 1.5kVAC; I-P/GND: 1.5kVAC
EMC Emission	Compliance to EN55015
EMC Immunity	Compliance to EN61547: 2009
Harmonic Current	Compliance to EN61000-3-2: 2014; EN61000-3-3: 2013

OTHERS

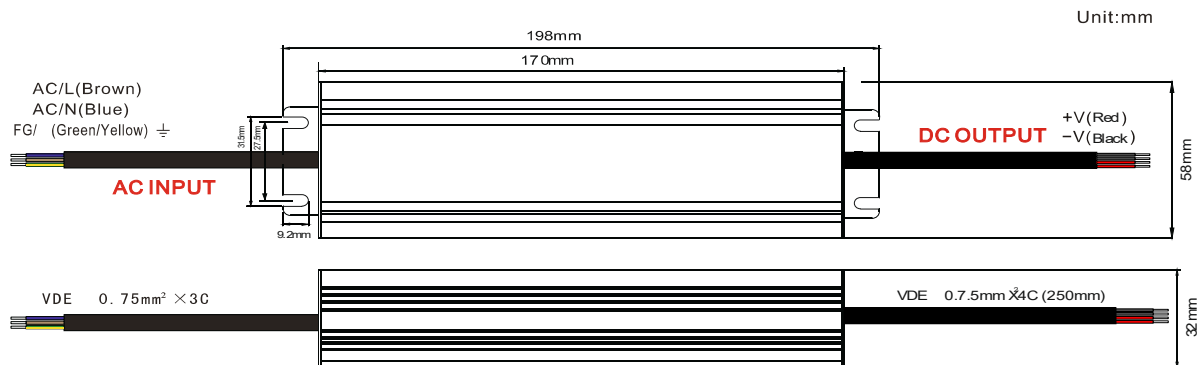
Dimensions	208 x 58 x 32mm (L x W x H)
Weight and Packing	0.77kg; 15pcs./ctn; ctn weight and dimensions: 11.6kg; 39.8 x 26.8 x 15.8cm

EAN code



1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1μF i 47μF parallel capacitor.
3. Tolerance includes set up tolerance, line regulation and load regulation.
4. Setup and rise time is measured from 0 to 90% rated output voltage.
5. Suitable for indoor or outdoor use. Please avoid direct exposure to sunlight and immersion in water for over 30 minutes.
6. Power supply is considered as component not indented to apply by end-user. Power supply meets safety and EMC standards however the final equipment with power supply must be re-quality to comply with EMC Directives.

MECHANICAL SPECIFICATION



DERATING CURVE

