ADWS-200 series

200W LED Ultra Short 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 CE IP67

◎ELECTRICAL SPECIFICATION

MODEL	ADWS-200-12	ADWS-200-24
OUTPUT		
Rated Voltage	12V	24V
Rated Current	16.7A	8.3A
Rated Power	200.4W	201.6W
Line Regulation	± 1%	
Load Regulation	± 2%	
Tolerance [3]	± 2%	
Ripple & Noise (max.) [2]	2.60V_{P-P}	
Setup, Rise Time [4]	430ms, 75ms / 230VAC at full load	
Hold up Time	30ms / 230VAC at full load	
INPUT		
Voltage Range	170 ÷ 264VAC	
Frequency Range	47 ÷ 63Hz	
Efficiency (typ.)	88%	
AC Current (typ.)	1.65A / 230VAC	
PROTECTIONS		
Overload	Range: 110 ÷ 180% of rated current	
	Type: hiccup mode, auto-recovery.	
Short Circuit	Type: hiccup mode, auto-recovery.	
Over Temperature	Range: 110°C ± 10°C (detect by main IC)	
	Type: Shut down o/p voltage, re-power on to recover	
WORKING ENVIRONMENT		
Working Temperature	-30°C ÷ 50°C (Refer to Derating Curve)	
Working Humidity	20 ÷ 99% RH non-condensing	
Storage Temperature and Humidity	-40°C ÷ 80°C, 10 ÷ 99% RH non-condensing	

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SAFETY AND EMC REGULATIONS

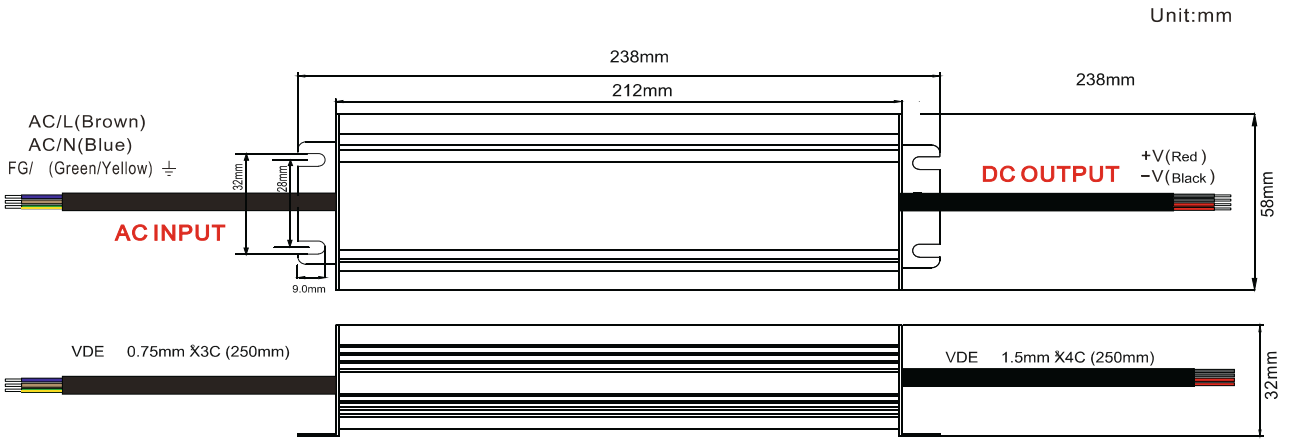
Safety Standards	Compliance to EN61347-1, EN61347-2-13, IP67
Withstand Voltage	I-P/O-P: 1.5kVAC; I-P/GND: 1.5kVAC
EMC Emission	Compliance to EN55015
EMC Immunity	Compliance to EN61547: 2009
Harmonic Current	Compliance to EN61000-3-2: 2014; EN61000-3-3: 2013

OTHERS

Dimensions	238 x 57 x 32mm (L x W x H)
Weight and Packing	0.88g; 15pcs./ctn; ctn weight and dimensions: 13.5kg; 39.8 x 26.8 x 15.8cm
EAN code	5 902135 125427 / 5 902135 125472

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. 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