

Dimmable LED Power Supply

Constant Current Driver Series

- Nominal Voltage 220~240Vac
- Protections: short circuit | over voltage
- Power Factor: PF >0.9
- Efficiency >82%
- Leading edge / Trailing edge



Approval marks



Item	Value Unit Remarks
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1. Input

Nominal voltage	220~240 Vac
Variation Range	198 ~ 264 V
Nominal Frequency	50 / 60 Hz
Variation Frequency	50 / 60 Hz ±10 %
max input current	0.006 A (idle load input) 0.1 A (full load input)



2. Output

The output characteristic form	
Over voltage Protection	auto recovered
Over current Protection	auto recovered
Short circuit Protection	auto recovered

3. Environment

Operating Temperature	-20°C to 50°C
Relative Humidity	5%(-20°C)~90%(50°C)RH, 72Hrs,Full load, Normal operating
Storage Temperature	-40°C to 85°C with Enclosure
Axes,10 cycles per axis	No permanent damage may occur during testing. The product will restore to its original situation after power off / on.
Dropping	1 corner,3 edges, and 6 surfaces, Height: 80cm
Hi-Pot	Primary to secondary, 3.75KVAC/min Primary to Case, 3.75KVAC/min
Leakage Current	<0.5mA
Expected Lifetime	30,000hrs @ tc = 85°C, B10
	50,000hrs @ tc = 75°C, B10

4. Safety & EMI

Safety standards (can fulfill)	 
Dielectric Strength (Hi-Pot)	Primary to secondary, 3.75KVAC/min Primary to case, 3.75KVAC/min
EMI standards	Meets the Limits of EN55015 CLASS C

5. Output Characteristics

Model	Output Voltage	Max. Load	Total Power	Output Power
AW02-350H09	20-32V Max40V	350 mA \pm 5%	13W	11W
AW02-300H09	20-32V Max40V	300 mA \pm 5%	12W	10W
AW02-350H12	30-42V Max50V	350 mA \pm 5%	18W	15W
AW02-350H15	40-56V Max65V	350 mA \pm 5%	22W	18W
AW02-500H18	20-32V Max40V	500 mA \pm 5%	19W	16W
AW02-700H18	10-21V Max30V	700 mA \pm 5%	18W	15W

AW02-xxxHxx

6. Mechanical Requirement

6.1 Enclosure

The power supply size: 122*39*18mm

6.2 Input Connector:

Two pin input plug of VDE

FO MODEL NO: AW02-350H09 AW02-300H09 AW02-350H12
 AW02-350H15 AW02-500H18 AW02-700H18

