

Aqualux DALI2 Dimmable IP67 Power Supplies

Product description here



Features

- Wide input voltage 85 - 265 VAC
- Complete isolation design for safer operation
- Excellent dimming effect and strong compatability
- Supports DALI 2.0 IEC 62386 Design
- IP67 suitable for indoor & outdoor use - indoor DO NOT COVER
- Short circuit, over-current & over-voltage protection
- CE, TUV, ETL, UL passed
- Active power correction with high power factor
- 5-year warranty

Part Numbers

- AQD-WPS-030-24-D**
- AQD-WPS-100-24-D**
- AQD-WPS-150-24-D**
- AQD-WPS-240-24-D**

Warning: Suitable for direct drive LEDs. If there is a circuit drive LED or load with capacitance inside the LED then this dimming power supply may not work

Technical Parameters

Model		AQD-WPS-030-24-D	AQD-WPS-100-24-D	AQD-WPS-150-24-D	AQD-WPS-240-24-D
Output	Voltage	24V	24V	24V	24V
	Current	1.25A (Max)	4.2A (Max)	6.25A (Max)	10A (Max)
	Power	30W	100W	150W	240W
	Line Regulation	1%	1%	1%	1%
Input	Input Voltage	85 - 265VAC	85 - 265VAC	85 - 265VAC	85 - 265VAC
	Frequency	50 / 60Hz	50 / 60Hz	50 / 60Hz	50 / 60Hz
	Power Factor	PF>0.95 @ 230VAC	PF>0.95 @ 230VAC	PF>0.95 @ 230VAC	PF>0.95 @ 230VAC
	Full Load Efficiency	90%	90%	87%	90%
	Standby Power	0.7w	3w	3w	3w

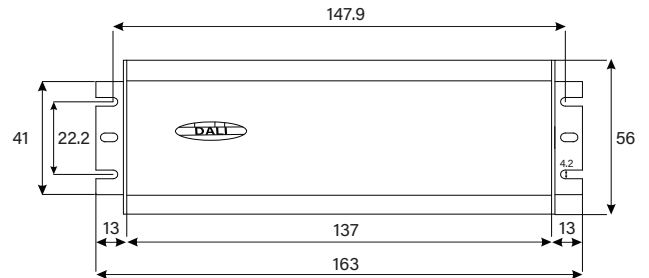
Model		AQD-WPS-030-24-D	AQD-WPS-100-24-D	AQD-WPS-150-24-D	AQD-WPS-240-24-D
Input	AC Current 110VAC	0.3A	1.01A	1.5A	2.52A
	AC Current 220VAC	0.15A	0.505A	0.75A	1.26A
Physical	Dimensions	163 x 56 x 35mm	206 x 68 x 39mm	226 x 68 x 39mm	246 x 68 x 39mm
	PCB	UL94 V-0 PC Fire Retardant	UL94 V-0 PC Fire Retardant	UL94 V-0 PC Fire Retardant	UL94 V-0 PC Fire Retardant
	Color	Grey	Grey	Grey	Grey
	Weight	600g	1000g	1100g	1500g
	Protection	Short Circuit	Short Circuit & Over Voltage Protection		
	Over Voltage	> 305VAC			
Safety & EMC	Standard	Refer to EN 61347-1;EN 61347-2-13; EN 62493			
	Withstand Voltage	I/P-O/P:3.75KVAC			
	Insulating Strength	I/P-O/P:400M Ω/500 VDC/25°C/70%RH			
	EMC Emission	To Correspond EN55015,EN61000-3-2(≥50% load)			
	EMC Immunity	To Correspond EN55015,EX61000-4-2,3,4,5,6,8,11,A Level of light industry standard(Surge 4KV)			
	RMA Mark	SAA 231424-EA			

Product Notes

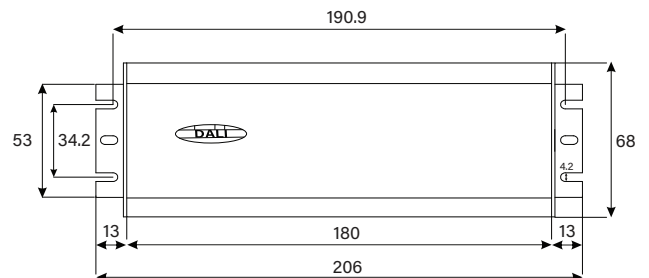
1. Unless otherwise specified, all specifications and parameters shall be measured at the input of 230VAC, rated load and ambient temperature of 25°C.
2. Ripple and noise measurement method: A12" twisted-pair line with 0.1uF and 47uF capacitors in parallel should be used for measurement under 20MHZ bandwidth.
3. The start time is measured under the starting of the cold machine. Frequent switching on and off may increase the start time.
4. The driver is regarded as a component used in combination with the terminal equipment. Since the EMC is affected by the whole device, the manufacturer of the terminal equipment needs to reconfirm the EMC of the whole device.

Product Dimensions

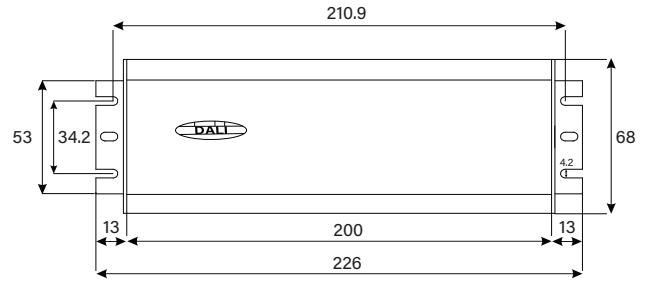
AQD-WPS-030-24-D



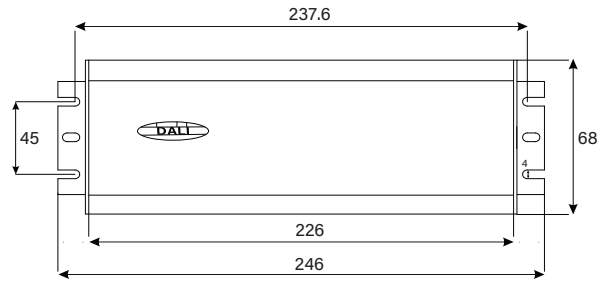
AQD-WPS-100-24-D



AQD-WPS-150-24-D



AQD-WPS-240-24-D



Wiring Diagram

