

# Dimmable LED Power Supply

**Dimming Mode: TRIAC | Constant Voltage Driver | 12V<sub>DC</sub> | 1.6-4.16A**

- High Cost Performance,
- SELV. short circuit,
- Overload and over temperature protection
- Compliance to ERP directive
- Lifetime 30,000hrs



Items	Conditions	Request	Note
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## 1. Output

Startup time	25 °C, rated input voltage, output with max. rated power		--
Output voltage and precision	Ta , rated input voltage, output with rated power	12V±5%	--
Output current range	Ta ,rated input voltage	1.6-4.16A	
Output voltage wave	25 °C, rated input voltage, output with max. rated power	--	Vp-p
Output overload	25 °C, rated input voltage, output with 2 times LED load	--	--
Output current and precision	Ta , rated input voltage, output with rated power	--	--
Rated output voltage range	Ta , rated input voltage	--	--
Output current wave	25 °C, rated input voltage, output with max. rated power	--	Ip-p
Dimming mode	--	triac CV	--
Dimming range	--	20%-90%	--

## 2. Input

Input voltage	Ta	AC220-240V	--
Input frequency		50Hz	--
Input current	25 °C, rated input voltage, output with max. rated power	< 0.3A	--
Input power		< 60W	--
Efficiency		≥ 85 %	--
Standby	25 °C, rated input voltage, output without load	--	average
Inrush current	25 °C, rated input voltage	< 75A	peak
PF	25 °C, rated input voltage, output max. rated power	≥ 0.9	--

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### 3. Temperature and others

Operation temp.	--	-20-45 °C	--
Relative humidity	--	15%-90%	--
Max. case temp.	--	85 °C	--
Lifetime	Max.Ta rated input voltage, output with max.rated power	30,000hr	--
Working noise	25 °C, rated input voltage, output with rated power mute box background noise<35dB,pickup 10cm distance from products	yes	--

### 4. Mechanical, mounting

Case material and size	Plastic, 177x57.8x21.8mm
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	terminal block H03VVH2-F 2x0.75mm2
Output cables dimension	terminal block H03VVH2-F 2x0.75mm2
Output cables length	2m max

### 5. Protection

Items	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	Yes	--
Over load	Ta ,0.94-1.06 times of input voltage, 1.2 times of rated power	--	--
Short circuit	Ta ,0.94-1.06 times of input voltage	Yes	--
Over temperature	Ta ,0.94-1.06 times of input voltage, temperature detected pointed more than 115 degree	Yes	--
Over voltage	Ta ,0.94-1.06 times of input voltage,output voltage is 1.5 times of rated one	Yes	--
Auto recovery	Over load, short circuit revocation	Yes	--
Latch off	over heat re-start after cut off	Yes	--

### 6. Standard

Items	Conditions
Safety	IEC61347-1 IEC61347-2-13
Harmonic	EN61000-3-2 Class C
EMI	EN55015
EMS	EN61547

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**7. Dimensions**

