

LED Power Supply

Constant Voltage Driver | 24V_{DC} | 0-8.33A

High Cost Performance, SELV. Short circuit, open 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	<0.5S	--
Output voltage and precision	Ta□, rated input voltage, output with rated power	24V±5%	--
Output current range	Ta□,rated input voltage	0-8.33A	
Output voltage wave	25°C□, rated input voltage,output with max. rated power	300mV	Vp-p
Output overload	25°C,rated input voltage,output with 2 times LED load	yes	--
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	--	--	--
Dimming range	--	--	--

2. Input

Input voltage	Ta	AC220-240V	--
Input frequency		50/60Hz	--
Input current	25°C,rated input voltage, output with max. rated power	<1.5A	--
Input power		<220W	--
Effiency		≥ 93 %	--
Standby	25°C,rated input voltage, output without load	<0.21W	average
Inrush current	25°C,rated input voltage	<75A	peak
PF	25°C,rated input voltage, output max. rated power	≥ 0.9	--

3. Temperate and others

Operation temp.	--	-20-45°C	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	80°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 L195*W67.1*H31.2mm
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	H05VVH2-F 1.0mm ²
Output cables dimension	H05VVH2-F 1.0mm ²
Output cables length	max. 2m

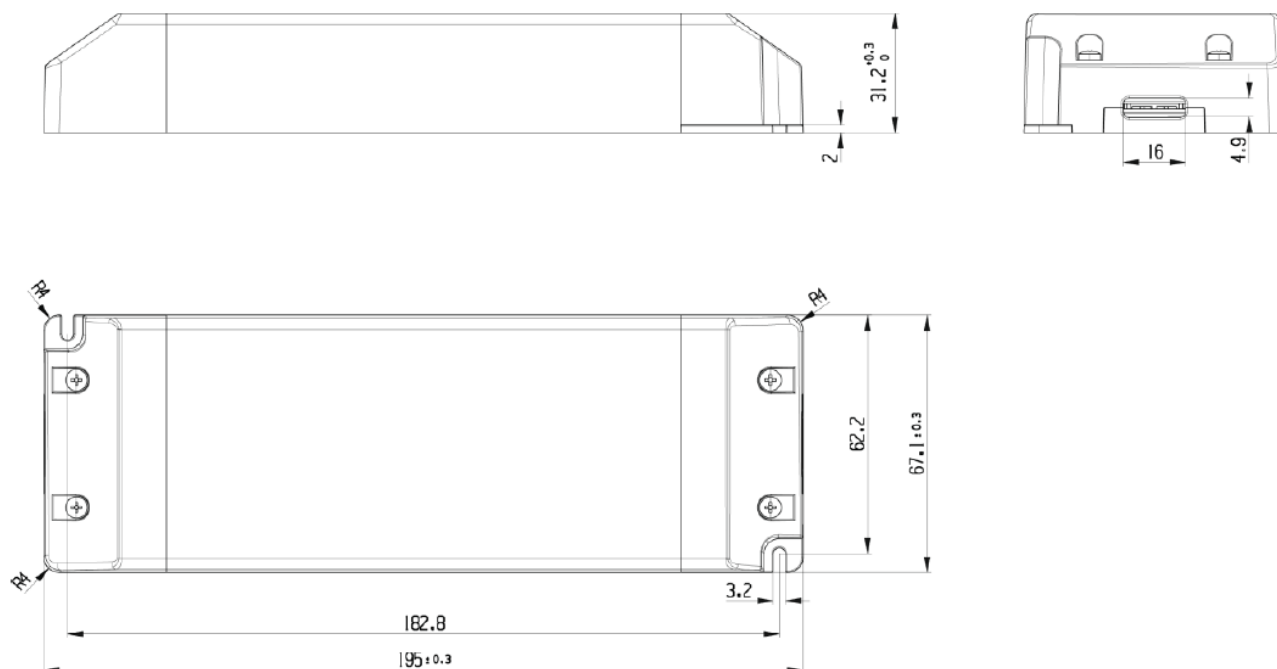
5. Protection

Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta ,0.94-1.06 times of input voltage, 1.2 times of rated power	Yes	--
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

Safety	IEC61347-1, IEC61347-2-13
Harmonic	EN61000-3-2 Class C
EMI	EN55015
EMS	EN61000-4-2, 3, 4, 5, 6 EN61547

7. Dimensions



8. Wiring Diagram

