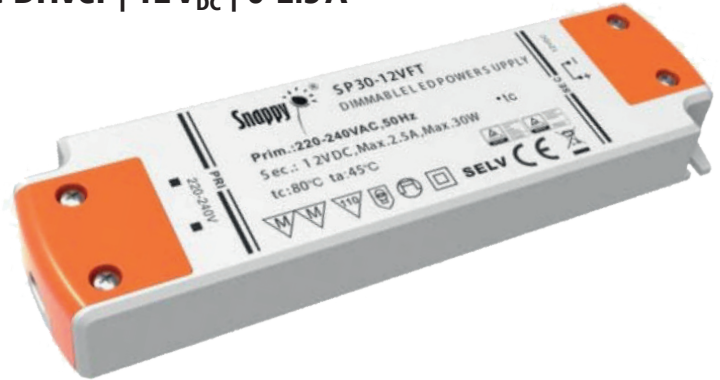


Dimmable LED Power Supply

Dimming Mode: TRIAC | Constant Voltage Driver | 12V_{DC} | 0-2.5A

- leading edge and falling edge
- 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 , 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	0-2.5A	
Output voltage wave	25 , rated input voltage,output with max. rated power	--	Vp-p
Output overload	25 ,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 , rated input voltage,,output with max. rated power	--	Ip-p
Dimming mode	--	triac	--
Dimming range	--	20%-90%	--

2. Input

Input voltage	Ta	AC220-240V	--
Input frequency		50/60Hz	--
Input current	25 ,rated input voltage, output with max. rated power	0.2A	--
Input power		40W	--
Efficiency		≥ 80 %	--
Standby	25 ,rated input voltage, output without load	--	average
Inrush current	25 ,rated input voltage	75A	peak
PF	25 ,rated input voltage, output max. rated power	≥ 0.9	--

3. Temperature and others

Operation temp.	--	-20-45	--
Relative humidity	--	15%-90%	--
Max. case temp.	--	80	--
Lifetime	Max.Ta rated input voltage output with max.rated power	30,000hr	--
Working noise	25 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
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	terminal block
Output cables dimension	terminal block
Output cables length	2000mm

5. Protection

Items	Conditions	Request	Note
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	--	--
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	EN61000-4-2 3 4 5 6 EN61547

SP30-12VFT

7. Dimensions

