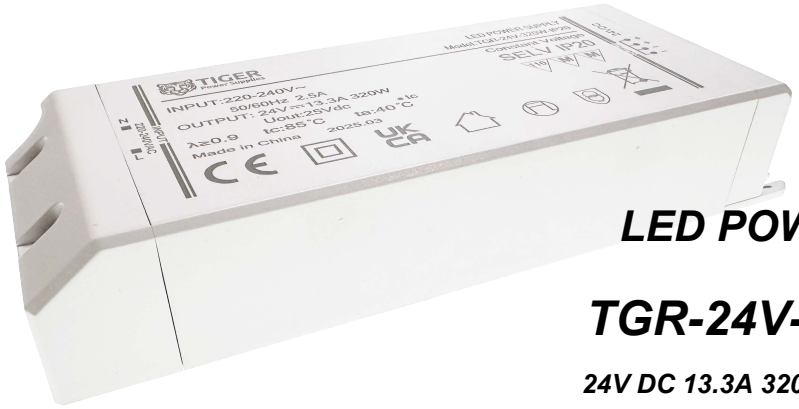


LED POWER SUPPLY DATASHEET

TGR-24V-320W-IP20

24V DC 13.3A 320W Constant Voltage Long Life LED Driver

High Performance,SELV. Open circuit, short circuit,overload and over temperature protection.Compliance to ERP directive,lifetime 30,000hrs.

·Input

Items	Conditions	Request	Note
Rated Input voltage	Ta	200-240Vac	--
Input frequency		50/60Hz	--
Input current	25℃, rated input voltage, output with max. rated power	＜0.5A	--
Input power		＜	--
Efficiency		≥ 85 %	--
Standby	25℃, rated input voltage, output without load	＜0.21W	average
Inrush current	25℃, rated input voltage	＜75A	peak
PF	25℃, rated input voltage, output max. rated power	≥ 0.9	--

·Temperate and others

Items	Conditions	Request	Note
Operation temp.	--	-20-45℃	--
Relative humidity	--	45%-85%	--
Max. case temp.	--	90℃	--
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	--

·Protection

Item	Conditions	Request	Note
Open circuit	Ta, rated input voltage, no load	--	--
Over load	Ta, 0.94-1.06 times of input voltage, 1.5 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	--	--
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	Yes	--
Latch off	over temperature re-start after cut off	--	--

·Output

Items	Conditions	Request	Note
Startup time	25℃, 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	0-13.3	
Output voltage wave	25℃, rated input voltage, output with max. rated power	150mV	Vp-p
Output overload	25℃,rated input voltage, output with twice 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℃, rated input voltage, output with max. rated power	--	Ip-p
Dimming mode	--	--	--
Dimming range	--	--	--

·Mechanical, mounting

Items	Conditions
Case material and size	Plastic case 210 * W 80 *H 32MM
Mounting ways	Independent
Insulation type	Class II
IP grade	IP20
Input cables dimension	H03VVH2-F 2x0.75mm2
Output cables dimension	H03VVH2-F 2x0.75mm2
Output cables length	--

·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