



Features

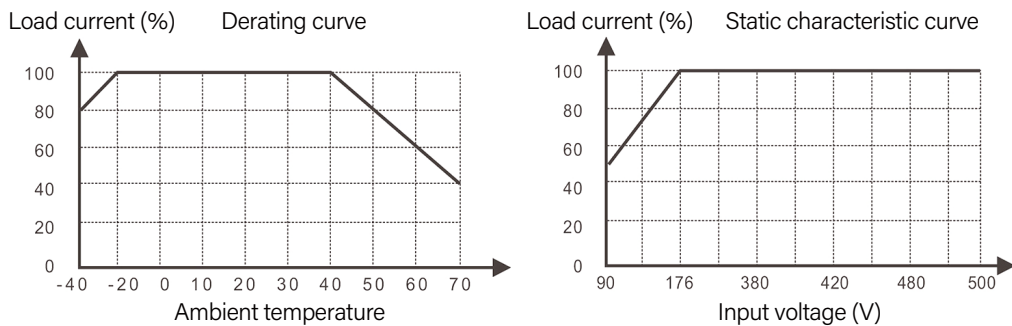
- Wide Input Voltage range: 100VAC-500VAC
- Isolated Withstand: 3750VAC
- Output short-circuit, over current, over voltage over power protection
- Regulated output, low ripple
- Fanless silent design
- Full-load burn-in test 100%
- Natural Cooling
- 3-year warranty

Specifications

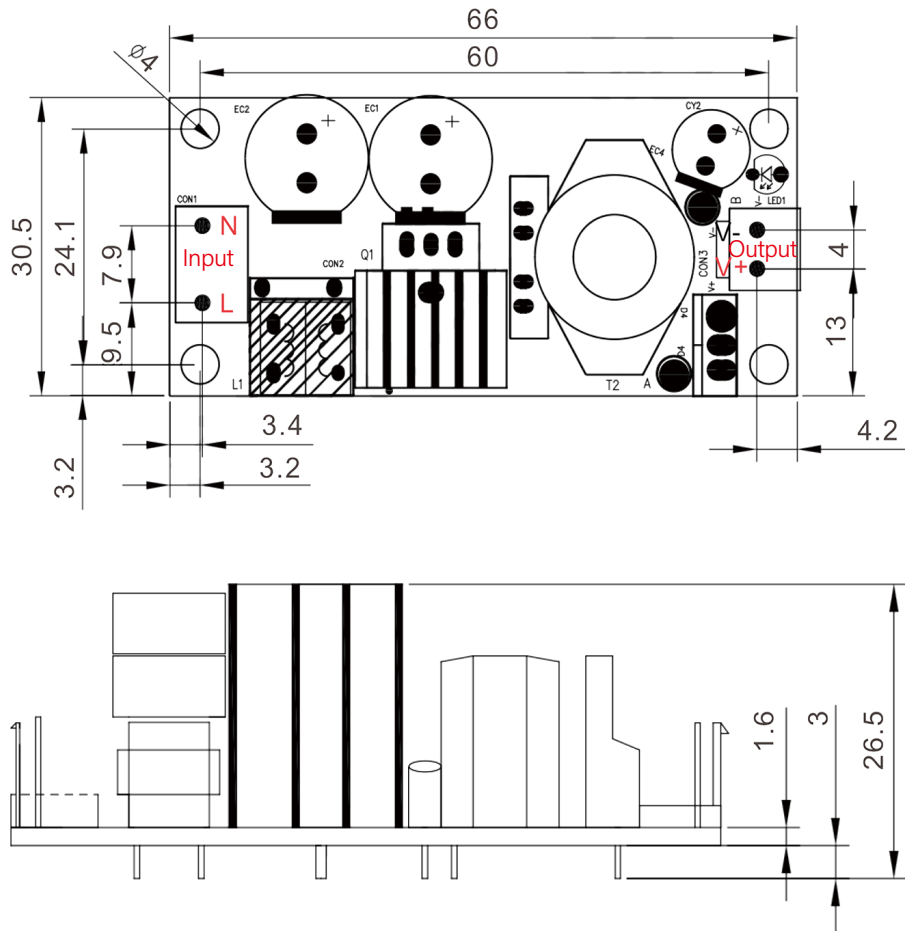
Model		TPS-MPT24S-5V	TPS-MPT24S-9V	TPS-MPT24S-12V	TPS-MPT24S-16V	TPS-MPT24S-24V
Output	Output voltage	5V	9V	12V	18V	24V
	Rated current (176-500VAC)	3.5A	2A	2A	1.3A	1A
	Current range (Natural cooling)	0-3.5A	0-2A	0-2A	0-1.3A	0-1A
	Rated power (Natural cooling)	17.5W	18W	24W	22W	24W
	Efficiency (Typ.)	74%	82%	82%	84%	84%
	Ripple(Max.)	<120mVp-p	<120mVp-p	<150mVp-p	<180mVp-p	<200mVp-p
	Voltage accuracy	±1.5%	±1%	±1%	±1%	±1%
	Line regulation	±1%	±1%	±1%	±1%	±1%
	Load regulation	±1%	±1%	±1%	±1%	±1%
Start-up & Rise time		≤1.3S/50mS (Input 115, 230VAC)				
Input	Voltage range	AC176~500V(DC249V-707V)rated power; 50% power derating at AC100~176V (DC141V~248V)				
	Frequency range	47~63Hz				
	AC power (Typ.)	<1000mA (<0.6W at no load)				
	Inrush current (Typ.)	Cold start: 30A/230VAC				
Leakage current		<2mA/240VAC				
Protection	Overload protection	115%~180% of rated power				
	Overload recovery	Protection Mode: Hiccup mode, automatically recovers after abnormal load conditions are removed				
	Output short circuit protection	Hiccup Mode: Automatically recovers after short-circuit removal				
Environmental	Operating Temperature and Humidity	-25~60C (refer to derating curve) 20~90%RH, non-condensing				
	Storage Temperature and Humidity	-40~85°C, 10~95%RH				
Safety and EMC	Safety standard	GB 4943.1-2011				
	Withstand voltage	I/P-O/P: 3.75KVAC				
	Insulation resistance	I/P-O/P.100M Ohms/500VDC/25°C/70%RH				
	EMC Emission	Complies with EN55032(CISPR32)Class A, GB 17625.1-2012				
EMC Immunity		Complies with GB/T9254-2008				
Other	Dimensions (LxWxH)	66×30.5×26.5mm				
	Weight	approximately 37g				

Notes	<ol style="list-style-type: none"> 1. All parameters are measured at a rated input voltage of 220VAC, rated load, 25°C, and 70% humidity. 2. Accuracy includes setup error, voltage regulation, load regulation, efficiency full-load test and dimensions (mm ±1). 3. Ripple measurement: Power supply and load are connected with 30cm twisted wires, with 0.1µF and 47µF capacitors at the load end, measured by a 20MHz oscilloscope. 4. Voltage adjustment rate is measured by changing the input voltage from low to high with rated load. 5. Load regulation is measured from 0% to 100% load.
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Characteristic Curves



Mechanical Dimensions



This electronic device must not be disposed of in the household waste at the end of its service life. For your return, there are free collection points for electrical appliances and, if necessary, additional points of acceptance for the reuse of the devices in your area. The addresses can be obtained from your city or communal administration. If the old electrical or electronic device contains personal data, you are responsible for deleting it before you return it. Further information: www.elektrogesetz.de