LED POWER SUPPLY

100W@12V | 100W@24V | IP20

SANPU

Features:
- 100-240V AC input
- Single Output
- 85% high efficiency
- 100% full load bur-in test
- Protection: OTP,OLP,OVP,SCP
- CE ROHS Certified
- 3 year warranty

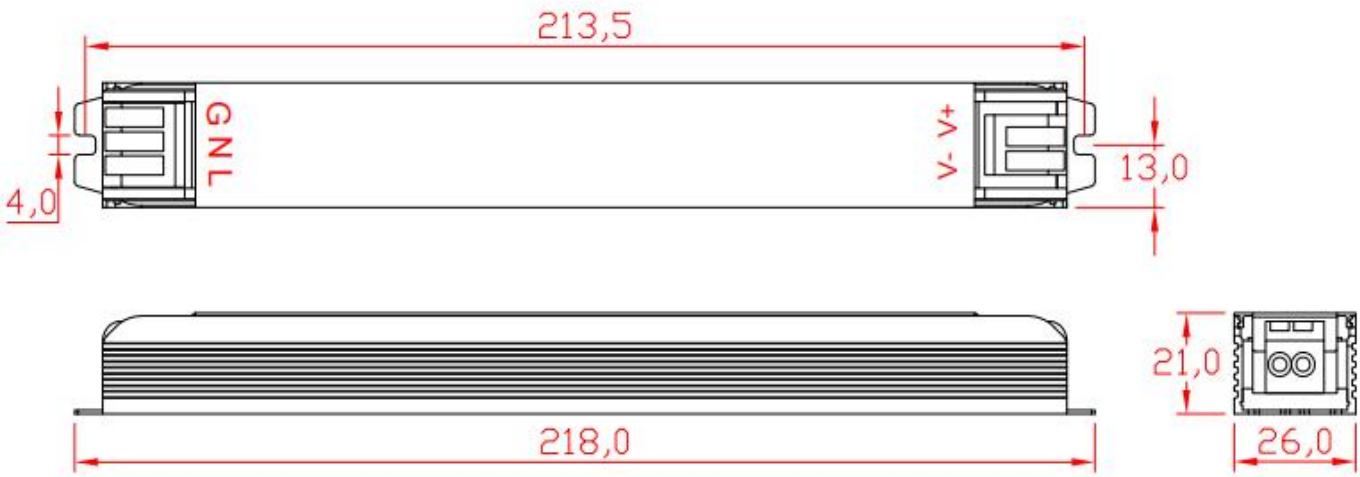
Applications:
- Indoor LED lighting
- LED office lighting
- LED commercial lighting
- LED decorative lighting

Specifications

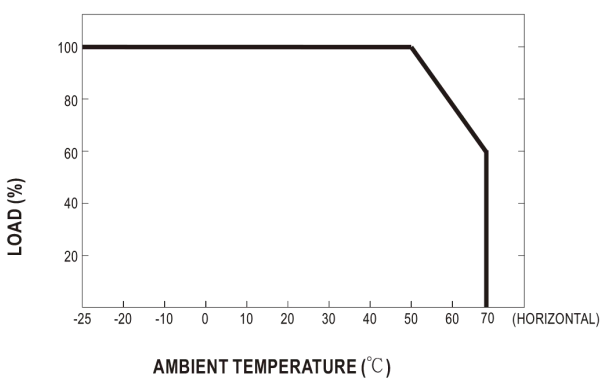
Product Code		CTL100-W1V12	CTL100-W1V24
Output	DC Voltage	12V	24V
	Rated Current	8.3A	4.16A
	Current Range	0~8.3A	0~4.16A
	Voltage tolerance	±5%	±5%
	Rated Power	100W	100W
	Ripple & Noise	<120mVp-p	<240mVp-p
	Set-up, Rise , Hold-up Time	200ms, 100ms , 30ms	
Input	Input voltage range	100-240 VAC	
	Frequency Range	50~60Hz	
	AC Current	1.08A / 115VAC; 0.54A / 230VAC	
	Efficiency	85%	88%
	PF	0.6	
Protection	Over Load	**More than 110%-150% of the rated power 100W, hiccup mode**	
		When the abnormal conditions are lifted, the circuit automatically returns to normal	
	Over Current	**Greater than the maximum current, current protection**	
		When the anomaly is lifted, the circuit returns to normal	
	Short-circuit	**Short-circuit more than 3 times, no damage can be automatically recovered**	
	Over Temperature	**≥ 85 ℃ to start the protection**	
		the circuit output is normal after the temperature returns to normal	
Ambiant	Working Temp. & humidity	"-20°C~+60°C, 20%~90%RH	
	Storage temp. & humidity	"-40°C~+85°C, 10%~95%RH	
Tesings	Withstand voltage	I/P-O/P: 1.5KVAC/1min; I/P-F/G: 1.5KVAC/1min;O/P-F/G: 0.5KVAC/1min;	
	Safety	EN62368-1	
	EMC	EN 55032:2015+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021 EN 55035:2017+A11:2020	
	LVD	EN 61347-2-13:2014+A1:2017; EN 61347-1:2015+A1: 2021	
Others	Demension(L*W*H)/ Packing	218*26*21mm; 0.16kg/pcs, 66pcs/CTN	

Mechanical Structures

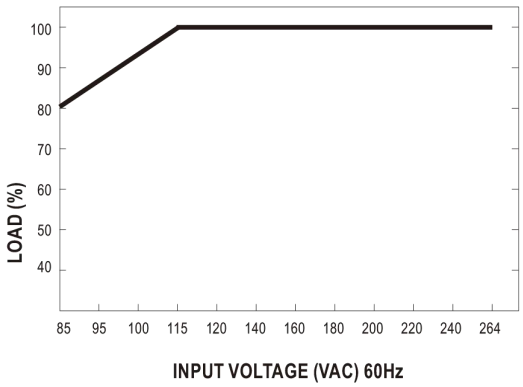
■Drawing & Installation Hole



■Derating Curve



■Static characteristic



Notes:

1. The above mentioned data were measured at 230VAC input and 25°C.
2. Dis-connect the AC input before checking any mal-phenomenons.
3. Make sure the INPUT&OUPUT were in right situation before connected to power supply.
4. Datesheet for reference only. We suggest you take sampling before mass orders.
5. Be ware of high power pressure may caused by short circut when installing metal casing products.
6. Please contact us at info@smpspower.com for further solution if any unforeable problem happens.