

VSP 100

SLIM - LED Power Supply

[Ne^o]

NP Lighting Gruppe

Light years ahead!



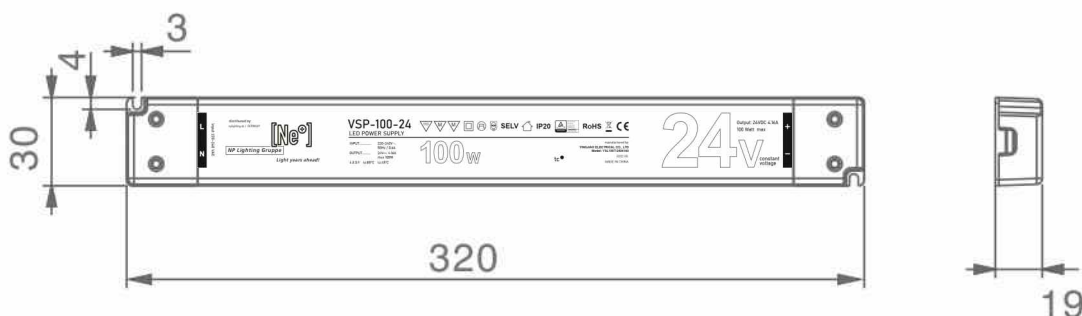
Features

- RoHS Compliance
- EMI Standard EN55015:2019+A11
- Safety Standard: EN61347-1:2015, EN61347-2-13:2014+A1:2017
- Inrush current < 65A AC230V/50Hz
- High efficiency & low power consumption
- Short Circuit, Over Current and Over Voltage Protection
- Over temperature protection
- 100% full load burn-in test
- PF > 0.9

Application

- LED strips
- LED indoor lighting
- LED decorative lighting
- LED building lighting

■ Dimensions and Installation



Bei den angegebenen Daten handelt es sich um ca. Angaben, technische Änderungen behalten wir uns vor.

VSP 100



NP Lighting Gruppe

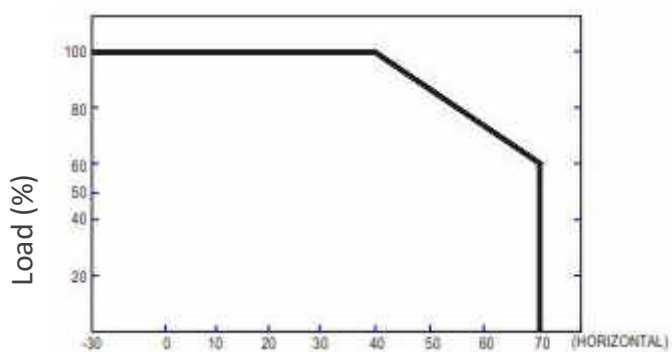
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MODEL DETAIL SPEC.		VSP-100-12	VSP-100-24	VSP-100-36	VSP-100-48
INPUT	Input Voltage:	220-240VAC			
	Input Frequency:	50/60Hz			
	Inrush Current:	65A/230VAC at full load			
	AC Current:	1.14A/115VAC 0.57A/230VAC			
	Leakage Current:	< 0.25mA/240VAC			
	Efficiency:	92%			
OUTPUT	DC Voltage:	12V	24V	36V	48V
	Rated Current:	8330mA	4160mA	2770mA	2083mA
	Rated Power:	100W			
	Voltage Tolerance:	± 5.0%			
	Ripple and Noise:	120mVp-p	240mVp-p	360mVp-p	480mVp-p
	Line Regulation:	± 3%			
	Load Regulation:	± 5%			
	Setup, Rise, Hold Up time:	1s, 10ms/60ms 230VAC 1000ms, 1ms/25ms 115VAC at full load			
ENVIRONMENTAL	Operating Temperature:	-20 ~ +50 (Refer to "Derating Curve")			
	Storage Temp:	-40°C ~ 85°C			
	Storage Humidity:	20 ~ 95% RH			
	Working Humidity:	20 ~ 95% RH non-condensing			
PROTECTION	Over Load:	Above 105%-130% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed			
	Over Voltage:	12V:13.8 ~ 16.2V 24V : 27.6 ~ 32.4V 36V:41.4 ~ 48.6V 48V : 55.2~64.8V Protection type: Shut down o/p voltage, re-power on to recover			
	Over Temperature:	Shut down o/p voltage, re-power on to recover			
SAFETY & EMC	Safety Regulations:	EN61347-2-13:2014+A1:2017,EN61347-1:2015;EN62493:2015			
	Withstand Voltage:	I/P-O/P:3.75KVAC			
	Harmonic	EN61000-3-2 Class C EN61000-3-3			
	EMI:	Compliance to EN55015			
	EMS:	compliance to 61547:2009			
OTHER	MTBF:	200,000 Hours Minimum at Full Load at 25°C Ambient			
	Size:	320*30*19mm			
	Weight:	204g / pcs			
	Packaging:	50PCS/CTN; 34.5*19.5*27cm			

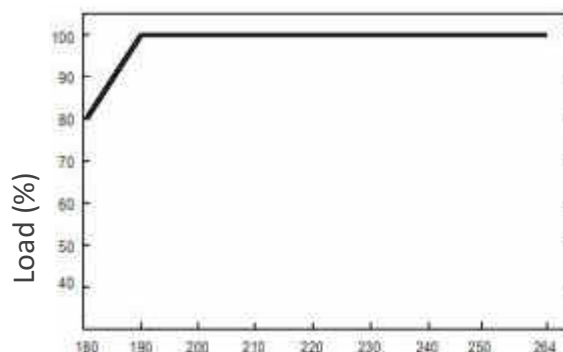
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Deduction curve and temperature



Environment temperature (°C)

Minus output and input voltage curves



Input voltage (VAC)

Functional Diagram

