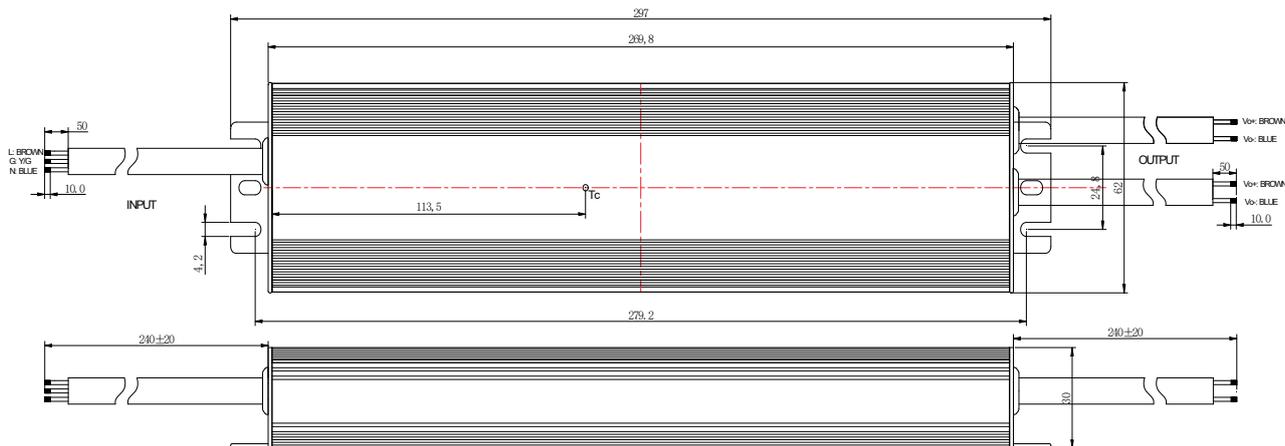


**Product Features**

- Input voltage: 180~264Vac;
- Isolate constant voltage design;
- Ultra-thin design, easy to install;
- Protections: Output SCP / OCP / OTP;
- IP67 design;
- 3 years warranty.

Model		V8-300B012	V8-300B024
Input	Input voltage	180-264Vac (Refer to Output Power vs. Input Voltage Curve)	
	Input Frequency	47~63Hz	
	Input AC Current	3.5A Max.	
	Efficiency	≥90%	
	Leakage Current	<3.5mA/240Vac	
	Inrush Current	150A Max.	
Output	Rated voltage	12v	24V
	Rated Current	25A	12.5A
	Rated power	300W	
	Ripple & Noise	240mVp-p Max.	360mVp-p Max.
	Voltage Tolerance	±5%	
	Line Regulation	±1%	
	Load Regulation	±2%	
	Setup rise time (Max.)	≤ 3S/230Vac @ full load	
	Hold up time	≥10mS/230Vac @ 80% of full load	
Protection	Overload	Hiccup mode; 105-160% rated output current; Recovers automatically after fault condition is removed.	
	Short circuit	Hiccup mode; Recovers automatically after fault condition is removed.	
	Over temperature	Recovers automatically after fault condition is removed	
SAFETY&EMC	Safety	IEC62368-1, EN 62368-1	
	Dielectric Strength	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
	Insulation Resistance	I/P-O/P,I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH	
	EMC	EN55032 Class A	
Environment	Working Temperature & Humidity	-25~60°C(Refer to Derating curve), 20~90% Non-condensing	
	Storage Temperature & Humidity	-30~85°C, 10~95%RH	
Other	Life Time	Tc:75°C, 230Vac @ full load	
	Dimensions (L*W*H)mm	297*62*30mm	
	Wires	Input: H05RN-F, 3*1.0mm <sup>2</sup> L=240±20mm Output: H07RN-F, 2*1.5mm <sup>2</sup> *2 L=240±20mm	
	Net Weight	940g/PCS	
	Package	L390*W348*H190mm, 20PCS/Ctn., Gross Weight: 20.50Kg	
Note	1. All performance parameters are measured at 25°C ambient temperature, 230Vac input, full load conditions, except for those specified; 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.		

**MECHANICAL OUTLINE**

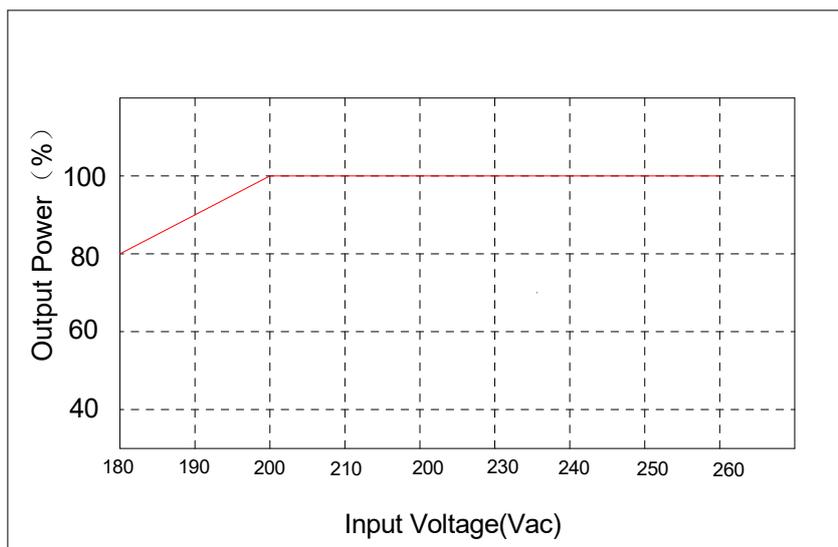


**Label**

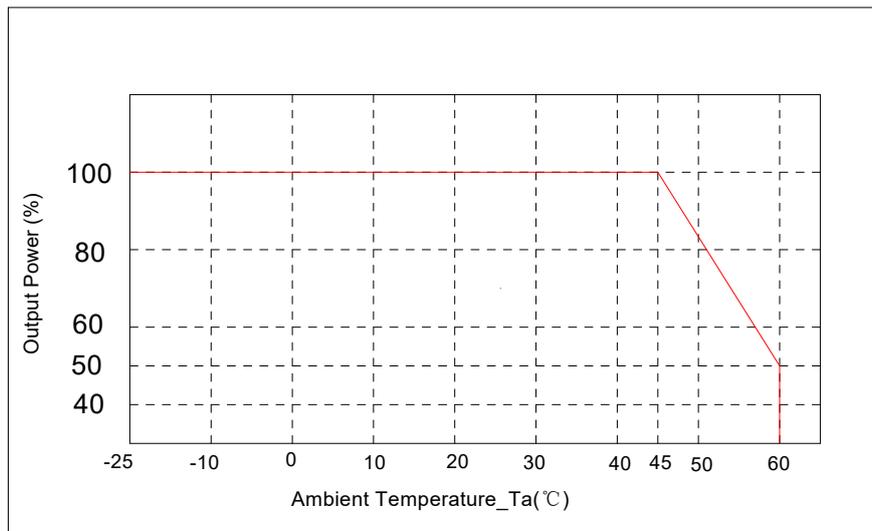
<b>INPUT</b> L BROWN N BLUE G Y/G 	<b>V8-300B012</b> Switching Power Supply	<b>INPUT</b> 200-240V~ 50/60Hz, 3.5A Max.	<b>IP67</b> <b>RoHS</b> SHENZHEN MOSO ELECTRONICS TECHNOLOGY CO., LTD No.1061, Songbai Road, Xili Town, Nanshan District, Shenzhen, CHINA		<b>OUTPUT</b> BROWN Vo + BLUE Vo - EN 55032 CLASS A
		<b>OUTPUT</b> Output current: 25A Max. Urated 12V---, Prated:300W Max.			

<b>INPUT</b> L BROWN N BLUE G Y/G 	<b>V8-300B024</b> Switching Power Supply	<b>INPUT</b> 200-240V~ 50/60Hz, 3.5A Max.	<b>IP67</b> <b>RoHS</b> SHENZHEN MOSO ELECTRONICS TECHNOLOGY CO., LTD No.1061, Songbai Road, Xili Town, Nanshan District, Shenzhen, CHINA		<b>OUTPUT</b> BROWN Vo + BLUE Vo - EN 55032 CLASS A
		<b>OUTPUT</b> Output current: 12.5A Max. Urated 24V---, Prated:300W Max.			

**OUTPUT POWER VS. INPUT VOLTAGE CURVE**



## OUTPUT POWER VS. AMBIENT TEMPERATURE



**Version**

A.1	First release	2025-11-18

## Specification for Approval

Product Name: 300W Switching Power Supply

Product Model: V8-300B012

V8-300B024

Rev: A.1

Address:XiLiSongbai Road 1061, Nanshan District, Shenzhen City, Guangdong, China

Tel: 0755-27657000

FAX: 755-27657908

E-mail:[info@mosopower.com](mailto:info@mosopower.com)

Web Site:<http://www.mosopower.com>

Prepared By	Checked By	Approved By



## Specification for Approval

Product Name: 300W Switching Power Supply

Product Model: V8-300B012

V8-300B024

Rev: A.1

<b>CUSTOMER AUTHORIZED SIGNATURE</b>		
<b>Tested By</b>	<b>Checked By</b>	<b>Approved By</b>
(Company seal)Return one copy to MOSO with approved signature and company seal.		

Address:XiLiSongbai Road 1061, Nanshan District, Shenzhen City, Guangdong, China

Tel: 0755-27657000

FAX: 755-27657908

E-mail:[info@mosopower.com](mailto:info@mosopower.com)

Web Site:<http://www.mosopower.com>

<b>Prepared By</b>	<b>Checked By</b>	<b>Approved By</b>