

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	V8-150B012	
Input	Input voltage	180-264Vac
	Input Frequency	47~63Hz
	Input AC Current	2.0A Max.
	Efficiency	≥84%
	Leakage Current	<3.5mA/240Vac
	Inrush Current	120A Max.
Output	Rated voltage	12V
	Rated Current	12.5A
	Rated power	150W
	Ripple & Noise	240mVp-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,60S/≤5mA
	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	260*52.5*24.2mm
	Wires	Input: H05RN-F, 3*1.0mm ² L=240±20mm Output: H07RN-F, 2*1.5mm ² L=240±20mm
	Net Weight	580g/PCS
	Package	L330*W295*H230mm, 30PCS/Ctn., Gross Weight: 19.5Kg
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.	

The technical drawing consists of two parts:

- Top View:** Shows a rectangular package with overall dimensions of 260 by 19.8. The central active area is 232.8 wide and 10.0 high. A mounting tab on the left has a width of 50 and a height of 10.0. A dimension of 105 indicates the distance from the centerline to the edge of the central area.
- Side View:** Shows the profile of the package. The total length is 240 ± 20. The input/output pins are 10 units wide at the base. The package height is 50 units. The output section is also 240 ± 20 units long.

INPUT
L BROWN
N BLUE
G Y/G

MOSO® V8-150B012
Switching Power Supply

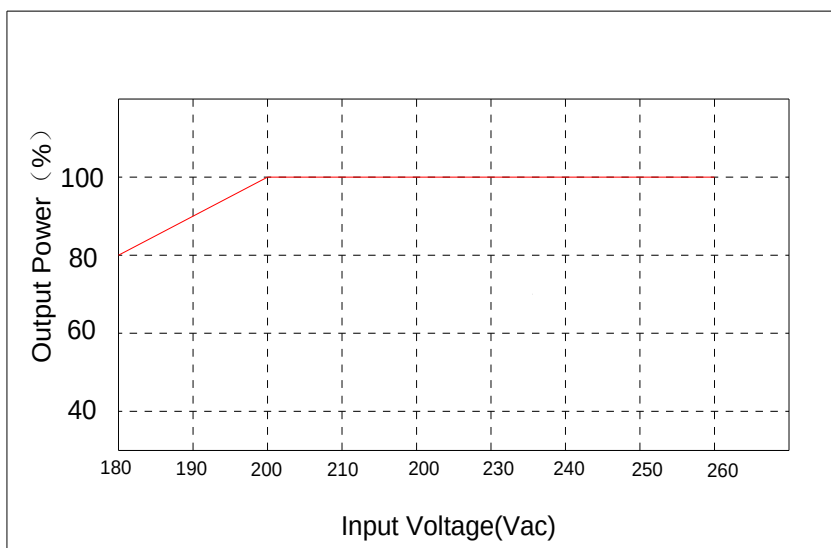
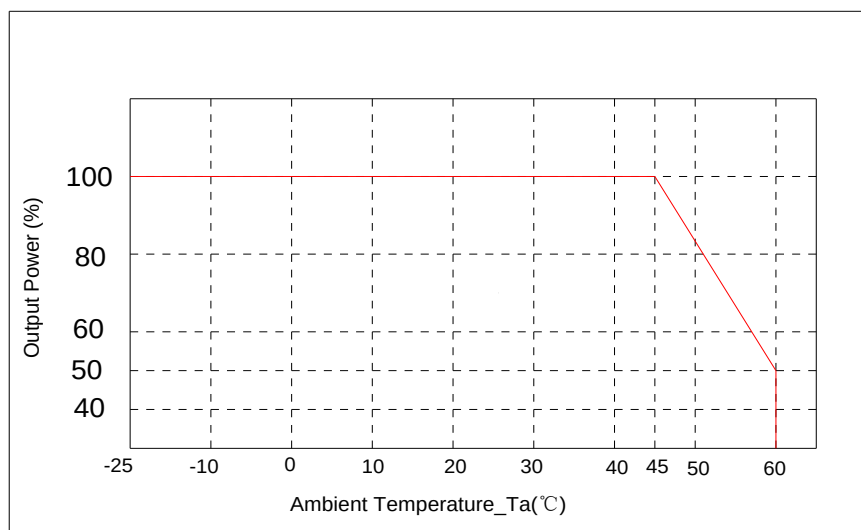
INPUT	200-240V~ 50/60Hz, 2.0A Max.
OUTPUT	Output current: 12.5A Max. Urated 12V---, Prated:150W Max.

CE **IP67** **RoHS**

OUTPUT
BROWN Vo +
BLUE Vo -

MADE IN CHINA
SHENZHEN MOSO ELECTRONICS TECHNOLOGY CO., LTD
No. 1061, Songbai Road, Xili Town, Nanshan District, Shenzhen, CHINA

EN 55032 CLASS A

OUTPUT POWER VS. INPUT VOLTAGE CURVE**OUTPUT POWER VS. AMBIENT TEMPERATURE**

Version

A.1	First release	2025-09-18
B.2	Update Mechanical Outline	2025-09-22

Specification for Approval

Product Name: 150W Switching Power Supply

Product Model: V8-150B012

Rev: B.2

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Prepared By	Checked By	Approved By

Specification for Approval

Product Name: 150W Switching Power Supply

Product Model: V8-150B012

Rev: A.2

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

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

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