



PSMU Serials 120W Power

Description

PSMU series 120W supply has the advantages of small volume, high conversion efficiency, stable performance, strong anti-interference. It has output short circuit, overload protection function. Input and output terminal.

This product is suitable for power grid, and can work under wide range of input voltage. It can be used for the installation of DIN track. This series of products are complete, fully meet the different needs.

VERSION : V1.1(20191230)

Safety regulations and EMC

Insulation strength:

IN-PE, IN-OUT: 2KVAC/5mA/1min

OUT-PE: 1KVAC/5mA/1min

Surge : GB/T 17626.5-2008 IV Grade

Burst: GB/T 17626.4-2008 IV Grade

Insulation resistance:

IN-PE, IN-OUT: $\geq 500\text{M}\Omega/500\text{VDC}$

OUT-PE: $\geq 100\text{M}\Omega/500\text{VDC}$

Environmental requirements

Environment temperature : $-30\sim 70^{\circ}\text{C}$

Work environment humidity : $5\%\sim 95\%\text{RH}$

Storage temperature and humidity :

$-40\sim +85^{\circ}\text{C}, 5\%\sim 95\%\text{RH}$

The temperature coefficient : $\pm 0.03\%/^{\circ}\text{C}$

Safety standards : GB4943

Vibration test : $10\sim 150\text{Hz}, 1\text{G}$ 8min/cycle ,
Along the axis direction of the frequency
sweep cycle number 20 times, each time
along the X, Y, Z axis.

Selection and ordering data

Typical models	PSMU	-1	-24V	/120W
Power type				
PSMU=Regular series of auxiliary power supply				
Input range				
1=85~265VAC or 88~370VDC 2=48VDC				
Output rating voltage				
12V=output voltage 12VDC, 15V=output voltage 15VDC 24V=output voltage 24VDC, 48V=output voltage 48VDC				
Output rating power				
120W=Rated power 120W				

Product selection table

	12V	15V	24V	48V	Structure
120W	■	■	■	■	LMG60

“■” Have this model

Electrical characteristics

Rated power	Rated current (VDC)	Rated current (A)	Output voltage range (VDC)	Load regulation	Voltage regulation	Ripple (mV)
120W	12	10	11.4~12.6	<2%	<1%	Less than the rated output voltage 1%
	15	8	14.3~15.7			
	24	5	23.5~25	<1%		
	48	2.5	45~51			

Noun explanation

Voltage regulation: the input voltage change caused the change of output voltage.

Load regulation: output current cause the change of output voltage.

Terminal definition figure

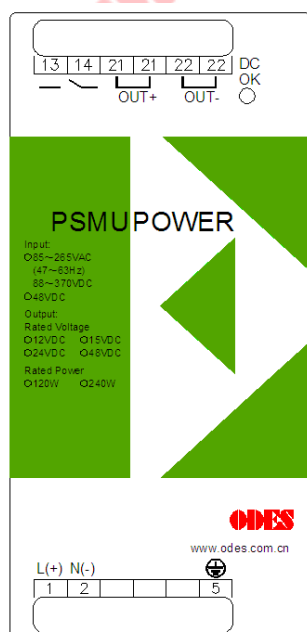


Figure one 120W

Installation size chart (unit: mm)

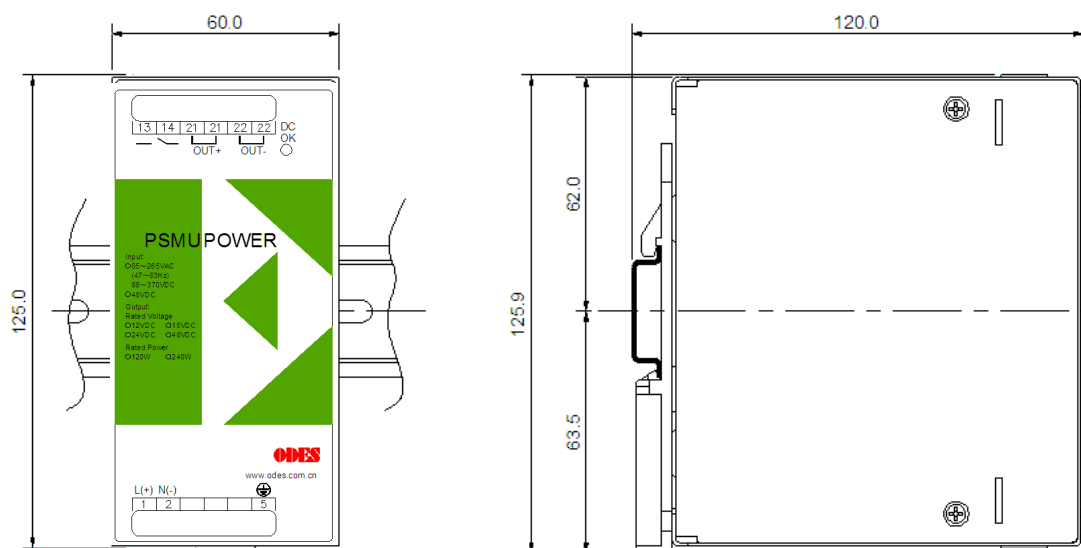


Figure two LMG60 Installation size

Typical Model

PSMU-1-24V/120W

PSMU is conventional series auxiliary power;
 1 input power range of 85 ~ 265 VAC or 88 ~ 370 VDC;
 24V output rated voltage 24VDC;
 120W output rating power 120W

Ordering instructions

When placing order, please clearly indicate:
 the power of the specific type, if there are any
 special requirements please indicate input
 voltage, output rated voltage, output rated
 power.