



PSMU Serials 72W Power

Description

PSMU series 72W 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(20191105)

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	-110V	/72W
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			
110V=output voltage 110VDC			
Output rating power			
72W=Rated power 72W			

Product selection table

	12V	15V	24V	48V	110V	Structure
72W	■	■	■	■	■	LMG39

“■” Have this model

Electrical characteristics

Rated power	Rated current (VDC)	Rated current (A)	Output voltage range (VDC)	Load regulation	Voltage regulation	Ripple (mV)
72W	12	6	11.4~12.6	<2%	<1%	Less than the rated output voltage 1%
	15	4.8	14.3~15.7			
	24	3	23.5~25	<1%		
	48	1.5	45~51			
	110	0.65	105~115			

Noun explanation

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

Terminal definition figure

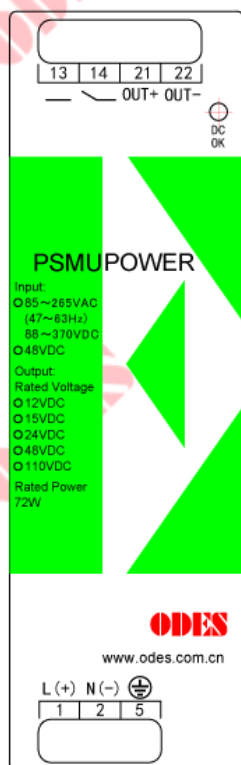


Figure one terminal definition

Terminals	Symbol	Instructions
1	L(+)	One end of the DC positive or communication
2	N(-)	One end of the DC negative or communication
5		Ground
13		Power failure alarm contact
14		
21	OUT+	Output is positive side
22	OUT-	Output the negative side

Installation size chart (unit: mm)

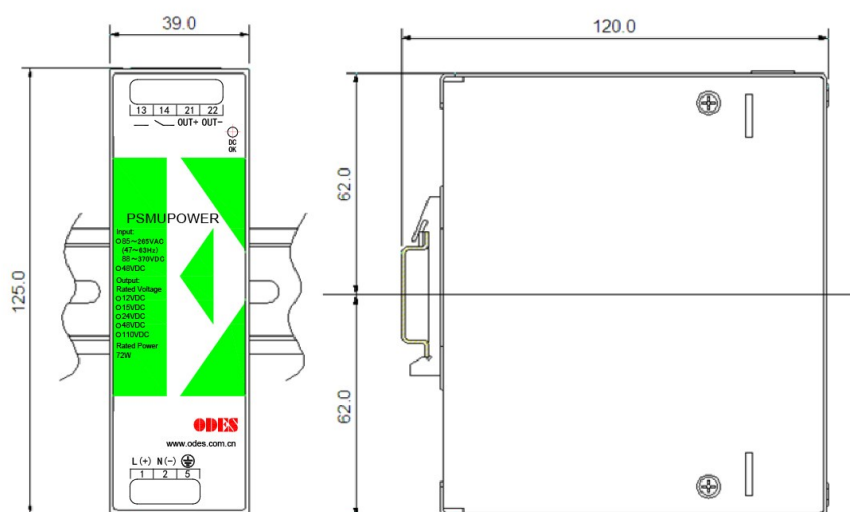


Figure two LMG39 Installation size

Typical Model

PSMU-1-24V/72W

PSMU is conventional series auxiliary power;
 1 input power range of 85~265 VAC or 88~370 VDC;
 24V output rated voltage 24VDC;
 72W output rating power 72W

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.