



PSMU Series 30W Power

Description

PSMU series 30W 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(20191030)

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 : $\pm 0.03\%$

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	-12V	/30W
Power type	PSMU=Regular series of auxiliary power supply			
Input range				
1=85~265VAC or 88~370VDC				
2=48VDC; 3=24VDC				
Output rating voltage				
5V=output voltage 5VDC,12V=output voltage 12VDC				
15V=output voltage 15VDC,±12V=output voltage ±12VDC				
±15V=output voltage ±15VDC,24V=output voltage 24VDC				
48V=output voltage 48VDC				
Output rating power				
30W=Rated power 30W				

Product selection table

	5V	12V	15V	24V	48V	$\pm 12\text{V}$	$\pm 15\text{V}$	Structure
30W	■	■	■	■	■	■	■	LMG39

“■” Have this model

Electrical characteristics

Rated power	Rated current (VDC)	Rated current (A)	Output voltage range (VDC)	Voltage regulation	Load regulation	Ripple (mV)
30W	5	6	4.9~5.15	<2%	<1%	Less than the rated output voltage 1%
	12	2.5	11.4~12.6	<1%		
	15	2	14.3~15.7			
	24	1.25	23.5~25			
	48	0.62	45~51			
	± 12	1.25	11.4~12.6			
	± 15	1	14.3~15.7			

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

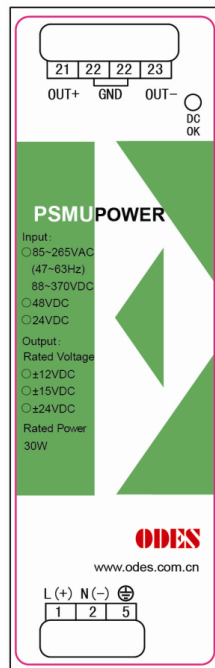
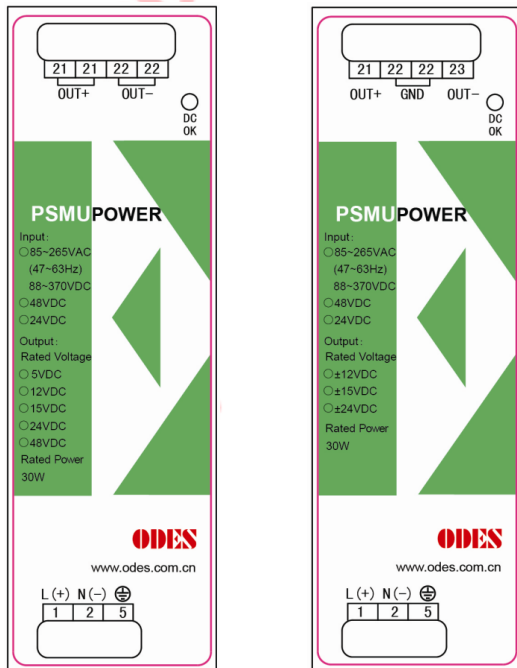


Figure one Single output Figure two Double output

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
21	OUT+	Output is positive side
22	OUT-	Output the negative side

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21	OUT+	Output is positive side
22	GND	Common
23	OUT-	Output the negative side

Installation size chart (unit: mm)

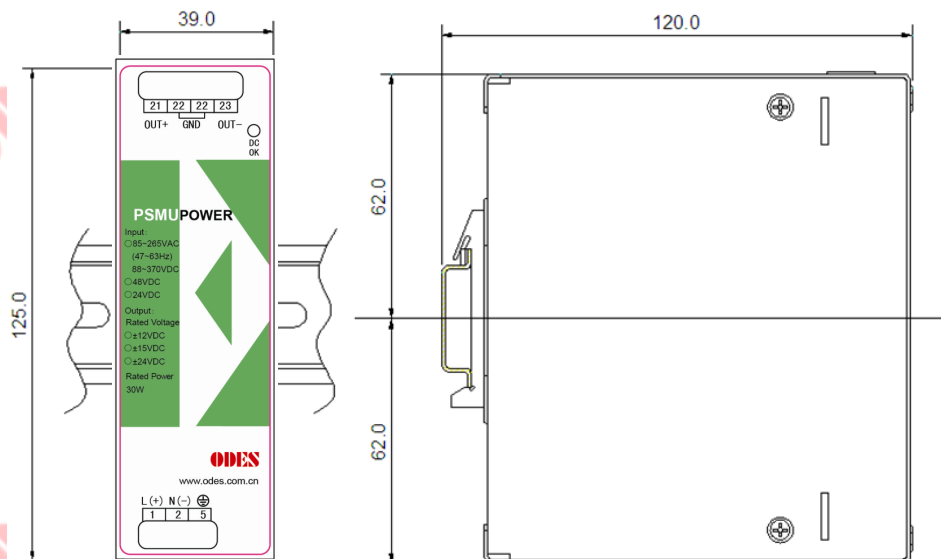


Figure three LMG39 Installation size

Typical Model

PSMU-1-24V/30W

PSMU is conventional series auxiliary power;
 1 input power range of 85 ~ 265 VAC or 88 ~ 370 VDC;
 24V output rated voltage 24 VDC;
 30W output rating power 30W

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.