

# S8JX-G Switch Mode Power Supply

Offers Flexible Selection, High Reliability  
and Ease of Operation

More Variations for More Applications



15W / 35W / 50W / 100W / 150W / 300W / 600W

**10 Years**  
Life Expectancy

**4.5 G**  
Vibration Resistance

- » Smoothly handle even more applications
- » Output voltage models for 5 V and 48 V expand lineup
- » Simple installation and maintenance free operation
  - » Slim design for smaller, more compact control panels

# Simple

## Two Mounting Methods for Simple Installation

### Use Screw or DIN Rail Mounting Even with 300-W Models

In addition to front mounting and top mounting, you can mount models up to 300-W to DIN Rail for simple installation that reduces installation work.

\*Only screw mounting is possible for 600-W models  
\*Use a steel DIN Rail for 300-W Power Supplies.



Front Mounting



Compact right-angle mounting bracket enclosed for easy mounting.

Screw Mounting from Top



Easy mounting from the top with screws.

## Fan-free Design for Maintenance-free Operation

### The 300-W models need no fan

The thermal design and circuit design of the 300-W models were improved to achieve a fan-free structure. This eliminates the need to replace fans every few years and greatly reduces the risk of lowering the insulation resistance due to dust drawn in by the fan.

\*The 600-W models have fans.

Standard Power Supply with Fan



Fan replacement every 2 to 3 years  
Dust drawn in by fan

S8JX(300-W Models)



Fan-free means maintenance-free  
No fan for reduced risk from dust



# Slim

## Contributes to Thinner Panels

### The Shortest Body Class in the Industry

The S8JX Power Supplies have a shorter body than OMRON's S82J Power Supplies. This allows them to fit into tighter spots to contribute to smaller, thinner control panels and devices in this age where functionality and mounting density continue to increase.

(Comparison to Previous OMRON Models)

Length Reduced  
by **30%**



145 mm

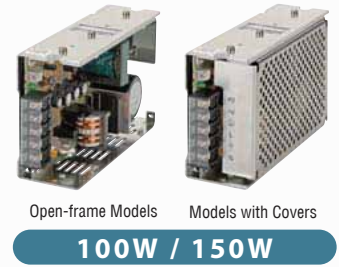
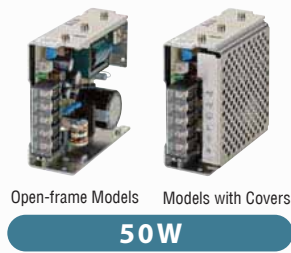
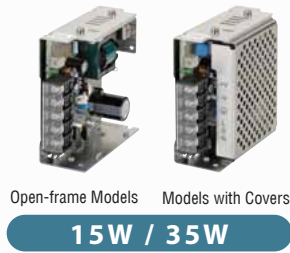
110 mm

\*For 50-W model with front mounting.

# Selectable

## More Output Voltage Specifications for an Expanded Lineup

Voltage Specifications from 5 V to 48 V



Power rating Voltage	15w	35w	50w	100w	150w	300w	600w
5v	●	●	●	●	●	●	●
12v	●	●	●	●	●	●	●
15v	●	●					
24v	●	●	●	●	●	●	●
48v	●	●	●	●	●	●	●

# Smooth

## More Applications

Application is now possible with 48-V equipment.

You can handle more applications smoothly, including motor drive and power supply systems.



Robots



Conveyors



Ships



Elevators



Vehicle manufacturing equipment



Wind power generation



# Ordering Information

## List of Models

**Note:** For details on normal stock models, contact your nearest OMRON representative.

● **Open-frame Power Supplies from 15 W to 150 W**

Configuration	Input voltage	Power ratings	Output voltage (VDC)	Output current	Model
Front-mounting*1	100 to 240 VAC (wide-range) (80 to 370 VDC*3)	15W	5V	3A	S8JX-G01505
			12V	1.3A	S8JX-G01512
			15V	1A	S8JX-G01515
			24V	0.65A	S8JX-G01524
			48V	0.35A	S8JX-G01548
		35W	5V	7A	S8JX-G03005
			12V	3A	S8JX-G03012
			15V	2.4A	S8JX-G03015
			24V	1.5A	S8JX-G03024
			48V	0.75A	S8JX-G03048
		50W	5V	10A	S8JX-G05005
			12V	4.2A	S8JX-G05012
			24V	2.1A	S8JX-G05024
			48V	1.1A	S8JX-G05048
			100W	5V	20A
		12V		8.5A	S8JX-G10012
		24V		4.5A	S8JX-G10024
		48V		2.1A	S8JX-G10048
		150W		5V	30A
			12V	13A	S8JX-G15012
24V	6.5A		S8JX-G15024		
48V	3.3A		S8JX-G15048		
DIN Rail-mounting*2	S8JXN 15005□□□ only 100 to 120 VAC or 200 to 240 VAC (DC input is not supported)		15W	5V	3A
		12V		1.3A	S8JX-G01512D
		15V		1A	S8JX-G01515D
		24V		0.65A	S8JX-G01524D
		48V		0.35A	S8JX-G01548D
		35W	5V	7A	S8JX-G03005D
			12V	3A	S8JX-G03012D
			15V	2.4A	S8JX-G03015D
			24V	1.5A	S8JX-G03024D
			48V	0.75A	S8JX-G03048D
		50W	5V	10A	S8JX-G05005D
			12V	4.2A	S8JX-G05012D
			24V	2.1A	S8JX-G05024D
			48V	1.1A	S8JX-G05048D
			100W	5V	20A
		12V		8.5A	S8JX-G10012D
		24V		4.5A	S8JX-G10024D
		48V		2.1A	S8JX-G10048D
		150W		5V	30A
			12V	13A	S8JX-G15012D
24V	6.5A		S8JX-G15024D		
48V	3.3A		S8JX-G15048D		

\*1. The Front-mounting Bracket is included with the product as a standard feature.  
 \*2. The Front-mounting Bracket is not included with the product.  
 \*3. The applicable range for EC Directives and safety standards (UL, EN, etc.) is 100 to 240 VAC (85 to 264 VAC).

■ **Safety-standard and RoHS Compliant**



● **Power Supplies with Covers for 15 W to 150 W**

Configuration	Input voltage	Power ratings	Output voltage (VDC)	Output current	Model
Front-mounting*1	100 to 240 VAC (wide-range) (80 to 370 VDC*3)	15W	5V	3A	S8JX-G01505C
			12V	1.3A	S8JX-G01512C
			15V	1A	S8JX-G01515C
			24V	0.65A	S8JX-G01524C
			48V	0.35A	S8JX-G01548C
		35W	5V	7A	S8JX-G03005C
			12V	3A	S8JX-G03012C
			15V	2.4A	S8JX-G03015C
			24V	1.5A	S8JX-G03024C
			48V	0.75A	S8JX-G03048C
		50W	5V	10A	S8JX-G05005C
			12V	4.2A	S8JX-G05012C
			24V	2.1A	S8JX-G05024C
			48V	1.1A	S8JX-G05048C
			100W	5V	20A
		12V		8.5A	S8JX-G10012C
		24V		4.5A	S8JX-G10024C
		48V		2.1A	S8JX-G10048C
		150W		5V	30A
			12V	13A	S8JX-G15012C
24V	6.5A		S8JX-G15024C		
48V	3.3A		S8JX-G15048C		
DIN Rail-mounting*2	S8JXN 15005□□□ only 100 to 120 VAC or 200 to 240 VAC (DC input is not supported)		15W	5V	3A
		12V		1.3A	S8JX-G01512CD
		15V		1A	S8JX-G01515CD
		24V		0.65A	S8JX-G01524CD
		48V		0.35A	S8JX-G01548CD
		35W	5V	7A	S8JX-G03005CD
			12V	3A	S8JX-G03012CD
			15V	2.4A	S8JX-G03015CD
			24V	1.5A	S8JX-G03024CD
			48V	0.75A	S8JX-G03048CD
		50W	5V	10A	S8JX-G05005CD
			12V	4.2A	S8JX-G05012CD
			24V	2.1A	S8JX-G05024CD
			48V	1.1A	S8JX-G05048CD
			100W	5V	20A
		12V		8.5A	S8JX-G10012CD
		24V		4.5A	S8JX-G10024CD
		48V		2.1A	S8JX-G10048CD
		150W		5V	30A
			12V	13A	S8JX-G15012CD
24V	6.5A		S8JX-G15024CD		
48V	3.3A		S8JX-G15048CD		

● **Power Supplies with Covers for 300 W and 600 W**

Configuration	Input voltage	Power ratings	Output voltage (VDC)	Output current	Model
Front-mounting*1	100 to 120 VAC or 200 to 240 VAC (switchable)	300W	24V	14A	S8JX-G30024C
		600W		27A	S8JX-G60024C
DIN Rail-mounting*2		300W			14A

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