

# 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

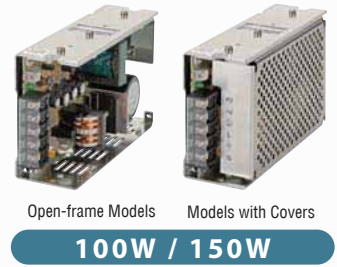
110 mm

\*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	S8JX-G10005	
			12V	8.5A	S8JX-G10012	
			24V	4.5A	S8JX-G10024	
			48V	2.1A	S8JX-G10048	
		150W	5V	30A	S8JX-G15005	
			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	S8JX-G01505D	
			12V	1.3A	S8JX-G01512D	
			15V	1A	S8JX-G01515D	
			24V	0.65A	S8JX-G01524D	
		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	S8JX-G10005D	
			12V	8.5A	S8JX-G10012D	
			24V	4.5A	S8JX-G10024D	
			48V	2.1A	S8JX-G10048D	
		150W	5V	30A	S8JX-G15005D	
			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	S8JX-G10005C	
			12V	8.5A	S8JX-G10012C	
			24V	4.5A	S8JX-G10024C	
			48V	2.1A	S8JX-G10048C	
		150W	5V	30A	S8JX-G15005C	
			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	S8JX-G01505CD	
			12V	1.3A	S8JX-G01512CD	
			15V	1A	S8JX-G01515CD	
			24V	0.65A	S8JX-G01524CD	
		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	S8JX-G10005CD	
			12V	8.5A	S8JX-G10012CD	
			24V	4.5A	S8JX-G10024CD	
			48V	2.1A	S8JX-G10048CD	
		150W	5V	30A	S8JX-G15005CD	
			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		S8JX-G30024CD	

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