

NEW

Switch Mode Power Supply **S8JX**

Models: 15 W, 35 W, 50 W, 100 W, 150 W, 300 W, and 600 W

An **S** Revolution in Easy Operation

Selectable
Smooth
Simple
Slim

More Variations for More Applications



15W/35W

50W

100W/150W

300W

600W

realizing

Life expectancy **10** yrs.

Vibration resistance **4.5G**

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

An S Revolution

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

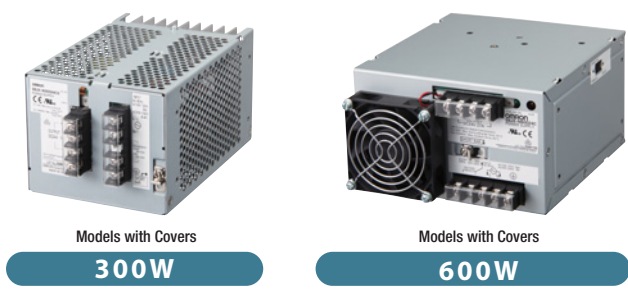
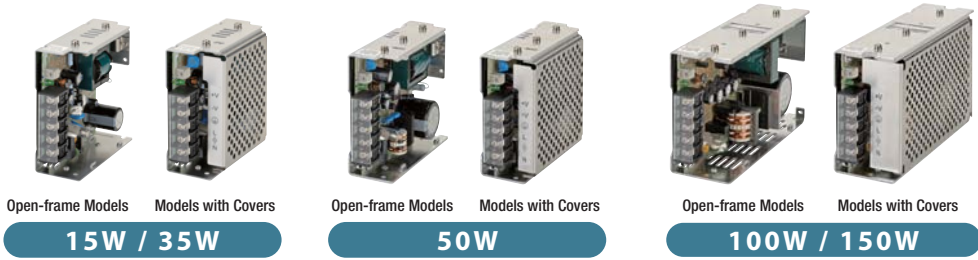
110 mm

*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	●	●	●	●	NEW		
12v	●	●	●	●	NEW		
15v	●	●					
24v	●	●	●	●	●	●	●
48v	NEW	NEW	NEW	NEW	NEW		

in Easy Operation

Smooth

More Applications

Application is now possible with 48-V equipment.

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



Ships



Elevators



Robots



Conveyors



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		
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		

● Power Supplies with Covers for 15 W and 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		
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		

*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).

● 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
DIN Rail-mounting*2		600W		27A	S8JX-G60024C
		300W		14A	S8JX-G30024CD

For details, refer to the S8JX Data Sheet (Cat. No. T041-E1).



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