

# 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 Years4.5 GLife ExpectancyVibration 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

## imple

# Two Mounting Methods for Simple Installation

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

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.





for easy mounting.

Screw Mounting from Top



Compact right-angle Easy mounting from mounting bracket enclosed the top with screws.

# Fan-free Design for Maintenance-free Operation

#### The 300-W models need no fan

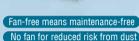
The thermal design and circuit design of the 300-W models were improved to achieve a fan-free structure. This eliminates the need to replace fans every few years and greatly reduces the risk of lowering the insulation resistance due to dust drawn in by the fan. \*The 600-W models have fans.

Standard Power Supply with Fan



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







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## Contributes to Thinner Panels The Shortest Body Class in the Industry

145 mm

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 Model)s

Length Reduced by **30%** 

**110**mm

\*For 50-W model with front mounting.

electable

More Output Voltage Specifications for an Expanded Lineup

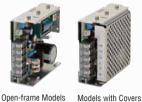
### Voltage Specifications from 5 V to 48 V



15W / 35W

Models with Covers

Open-frame Models



50W



Open-frame Models



100W / 150W

Models with Covers



300W



Power rating Voltage	15w	35w	50w	100w	150w	300w	600w
5v	•	•	٠	٠	٠	•	•
12v	•	•	•	٠	•	•	•
15v	•	•					
24v	•	•	•	•	•	•	•
48v	٠	٠	٠	٠	٠	٠	٠

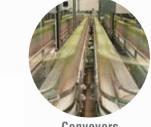
## mooth More Applications Application is now possible with 48-V equipment.

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



Robots

8



Conveyors



Vehicle manufacturing equipment





Wind power generation

#### **List of Models**

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

Dpen-frame Power Supplies from 15 W to 150 W

Configuration	Input voltage	Power ratings	Output voltage (VDC)	Output current	Model
			5V	3A	S8JX-G01505
			12V	1.3A	S8JX-G01512
		15W	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
Front-		50W	5V	10A	S8JX-G05005
mounting*1			12V	4.2A	S8JX-G05012
			24V	2.1A	S8JX-G05024
			48V	1.1A	S8JX-G05048
			5V	20A	S8JX-G10005
			12V	8.5A	S8JX-G10012
		100W	24V	4.5A	S8JX-G10024
	100 to 240		48V	2.1A	S8JX-G10048
	VAC		5V	30A	S8JX-G15005
	(wide-range)	150W	12V	13A	S8JX-G15012
	$\begin{pmatrix} 80 \text{ to } 370 \\ \text{VDC}^{*3} \end{pmatrix}$		24V	6.5A	S8JX-G15024
			48V	3.3A	S8JX-G15048
	S8JXN		5V	3A	S8JX-G01505D
	1500500 only		12V	1.3A	S8JX-G01512D
	100 to 120 VAC or	15W	15V	1A	S8JX-G01515D
	200 to 240 VAC		24V	0.65A	S8JX-G01524D
	(DC input is not		48V	0.35A	S8JX-G01548D
	supported)	35W	5V	7A	S8JX-G03005D
			12V	3A	S8JX-G03012D
			15V	2.4A	S8JX-G03015D
			24V	1.5A	S8JX-G03024D
			48V	0.75A	S8JX-G03048D
DIN Rail-		50W	5V	10A	S8JX-G05005D
mounting*2			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.

\*3. The applicable range for EC Directives and safety standards (UL, EN, etc.) is

\*2. The Front-mounting Bracket is not included with the product.

Safety-standard and RoHS Compliant

Configuration	Input voltage	Power ratings	Output voltage (VDC)	Output current	Model
			5V	3A	S8JX-G01505C
			12V	1.3A	S8JX-G01512C
		15W	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
Front-		50W	5V	10A	S8JX-G05005C
mounting*1			12V	4.2A	S8JX-G05012C
		300	24V	2.1A	S8JX-G05024C
			48V	1.1A	S8JX-G05048C
			5V	20A	S8JX-G10005C
		100W	12V	8.5A	S8JX-G10012C
		100W	24V	4.5A	S8JX-G10024C
	100 to 240		48V	2.1A	S8JX-G10048C
	VAC		5V	30A	S8JX-G15005C
	(wide-range) (80 to 370 VDC*3	150W	12V	13A	S8JX-G15012C
		150W	24V	6.5A	S8JX-G15024C
			48V	3.3A	S8JX-G15048C
	S8JXN		5V	3A	S8JX-G01505CD
	15005 Donly		12V	1.3A	S8JX-G01512CD
	100 to 120 VAC or	15W	15V	1A	S8JX-G01515CD
	200 to 240 VAC		24V	0.65A	S8JX-G01524CD
	(DC input is not supported)		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
DIN Rail-		50W	5V	10A	S8JX-G05005CD
mounting*2			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
	l		48V	3.3A	S8JX-G15048CD

Power Supplies with Covers for 15 W to 150 W

Power Supplies with Covers for 300 W and 600 W

Configuration	Input voltage	Power ratings	Output voltage (VDC)	Output current	Model
Front-	100 to 120 VAC or 200 to 240 VAC (switchable)	300W	24V	14A	S8JX-G30024C
mounting*1		600W		27A	S8JX-G60024C
DIN Rail- mounting*2		300W		14A	S8JX-G30024CD

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