

NO: SD-092 **PRODUCT:** S8JC-Z / ZS Power Supplies
DATE: October 2015 **TYPE:** Discontinuation Notice

Single Phase S8JC-Z/ZS Series Power Supplies have been Discontinued; Replace with S8FS-C Series

Effective date: October 2016

Precautions on Applying the Recommended Replacement

- Dimensions and Mounting Dimensions are different.
- Mounting bracket is necessary to mount DIN rail.
- Models with 100W to 350W output power ratings have a switch to change rated input voltage (100-120 VAC and 200-240 VAC).
- Electrical characteristics are different.



Affected Parts

See details on the following pages.

Reference Documentation

Description	Media	Publication number
S8JC-Z/-ZS Series Power Supplies Datasheet	PDF	SAOO-005F-E401
S8FS-C Series Power Supplies Datasheet	PDF	T38I-E-01

Product Discontinuation and Recommended Replacement

Configuration		Product discontinuation	Recommended replacement	
		Model	Model	DIN rail mounting bracket
Covered type	Bottom mounting	S8JC-Z01505C S8JC-ZS01505C-AC2	S8FS-C01505J (See note 1)	
		S8JC-Z01512C S8JC-ZS01512C-AC2	S8FS-C01512J (See note 1)	
		S8JC-Z01524C S8JC-ZS01524C-AC2	S8FS-C01524J (See note 1)	
		S8JC-Z01548C	(See note 2)	
		S8JC-Z03505C S8JC-ZS03505C-AC2	S8FS-C03505	
		S8JC-Z03512C S8JC-ZS03512C-AC2	S8FS-C03512	
		S8JC-Z03524C S8JC-ZS03524C-AC2	S8FS-C03524	
		S8JC-Z03548C	(See note 2)	
		S8JC-Z05005C S8JC-ZS05005C-AC2	S8FS-C05005	
		S8JC-Z05012C S8JC-ZS05012C-AC2	S8FS-C05012	
		S8JC-Z05024C S8JC-ZS05024C-AC2	S8FS-C05024	
		S8JC-Z05048C	S8FS-C05048	
		S8JC-Z10005C S8JC-ZS10005C-AC2	S8FS-C10005	
		S8JC-Z10012C S8JC-ZS10012C-AC2	S8FS-C10012	
		S8JC-Z10024C S8JC-ZS10024C-AC2	S8FS-C10024	
		S8JC-Z10048C	S8FS-C10048	
		S8JC-Z15005C S8JC-ZS15005C-AC2	S8FS-C15005	
		S8JC-Z15012C S8JC-ZS15012C-AC2	S8FS-C15012	
		S8JC-Z15024C S8JC-ZS15024C-AC2	S8FS-C15024	
		S8JC-Z15048C	S8FS-C15048	
		S8JC-Z35005C S8JC-ZS35005C-AC2	S8FS-C35005	
		S8JC-Z35012C S8JC-ZS35012C-AC2	S8FS-C35012	
		S8JC-Z35024C S8JC-ZS35024C-AC2	S8FS-C35024	

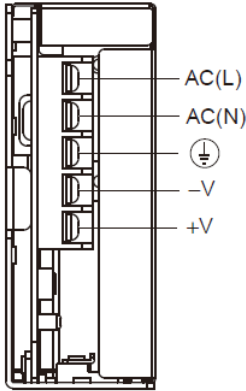
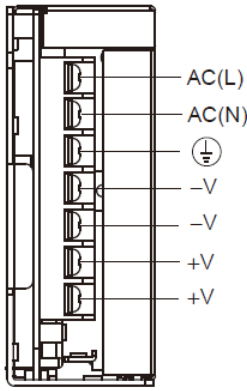
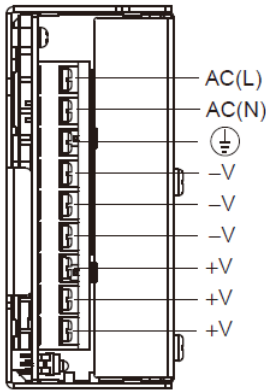
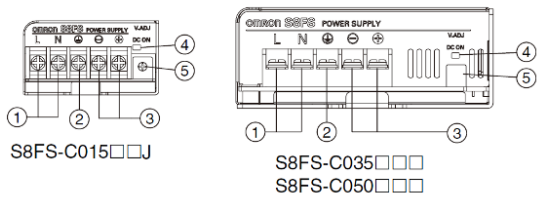
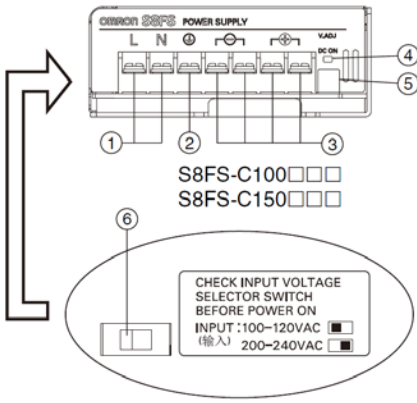
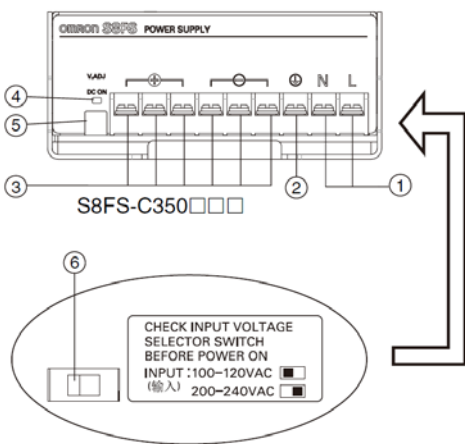
- Note 1** Terminal block direction is different. (See outline drawing)
- 2.** Models with 48V are built to order and are not a stocked item.
Please contact your nearest OMRON representatives for details.

Product Discontinuation and Recommended Replacement

Configuration		Product discontinuation	Recommended replacement	
		Model	Model	DIN rail mounting bracket
Covered type	DIN rail mounting	S8JC-Z01505CD S8JC-ZS01505CD-AC2	S8FS-C01505J	S82Y-FSC015DIN
		S8JC-Z01512CD S8JC-ZS01512CD-AC2	S8FS-C01512J	
		S8JC-Z01524CD S8JC-ZS01524CD-AC2	S8FS-C01524J	
		S8JC-Z01548CD	(See note)	
		S8JC-Z03505CD S8JC-ZS03505CD-AC2	S8FS-C03505J	S82Y-FSC050DIN
		S8JC-Z03512CD S8JC-ZS03512CD-AC2	S8FS-C03512J	
		S8JC-Z03524CD S8JC-ZS03524CD-AC2	S8FS-C03524J	
		S8JC-Z03548CD	(See note)	
		S8JC-Z05005CD S8JC-ZS05005CD-AC2	S8FS-C05005J	
		S8JC-Z05012CD S8JC-ZS05012CD-AC2	S8FS-C05012J	
		S8JC-Z05024CD S8JC-ZS05024CD-AC2	S8FS-C05024J	
		S8JC-Z05048CD	S8FS-C05048J	
		S8JC-Z10005CD S8JC-ZS10005CD-AC2	S8FS-C10005J	S82Y-FSC150DIN
		S8JC-Z10012CD S8JC-ZS10012CD-AC2	S8FS-C10012J	
		S8JC-Z10024CD S8JC-ZS10024CD-AC2	S8FS-C10024J	
		S8JC-Z10048CD	S8FS-C10048J	
		S8JC-Z15005CD S8JC-ZS15005CD-AC2	S8FS-C15005J	
		S8JC-Z15012CD S8JC-ZS15012CD-AC2	S8FS-C15012J	
		S8JC-Z15024CD S8JC-ZS15024CD-AC2	S8FS-C15024J	
		S8JC-Z15048CD	S8FS-C15048J	
		S8JC-Z35005CD S8JC-ZS35005CD-AC2	S8FS-C35005J	S82Y-FSC350DIN
		S8JC-Z35012CD S8JC-ZS35012CD-AC2	S8FS-C35012J	
		S8JC-Z35024CD S8JC-ZS35024CD-AC2	S8FS-C35024J	

Note. Models with 48V are built to order and are not a stocked item.
Please contact your nearest OMRON representatives for details.

Wiring Diagrams

Product discontinuation Model S8JC-Z / ZS series	Recommended replacement Model S8FS-C series
15-/35-/50-W Models  Note: The S8JC-Z05024C is shown above. 100-/150-/350(24 V)-W Models  Note: 1. The S8JC-Z10024C is shown above. 2. The rated current for output terminals is 25 A per terminal. Be sure to use multiple terminals simultaneously for current that exceeds the terminal rating. When applying a current of 25 A or more, use at least two terminals each for the positive and negative wires. 350(5 V, 12 V)-W Models  Note: The S8JC-Z35005C is shown above.	15-W Models 35-W and 50-W Models  100-W and 150-W Models  350-W Models 

Product discontinuation
Model S8JC-Z / ZS series

15W Model

Bottom-mounting

S8JC-Z015□□C (15 W) S8JC-ZS015□□C-AC2 (15 W)

Panel mounting holes dimensions

	Surface screw mounting
Side Mounting	Two, M3 59.5±0.5 70.5±0.5
Bottom Mounting	Two, M3 6.5±0.5 70.5±0.5

Note: The screws must not protrude more than 2 mm inside the Power Supply when screw holes provided on the chassis are used. If the dimensions are not correct, the Power Supply may be damaged.

35W / 50W Model

Bottom-mounting

S8JC-Z035□□C (35 W) S8JC-ZS035□□C-AC2 (35 W)
S8JC-Z050□□C (50 W) S8JC-ZS050□□C-AC2 (50 W)

Panel mounting holes dimensions

	Surface screw mounting
Side Mounting	Two, M3 85.5±0.5 122.5±0.5
Bottom Mounting	Three, M3 13±0.5 120±0.5

Recommended replacement
Model S8FS-C series

15W Model

Bottom-mounting

S8FS-C015□□J (15 W)

Panel mounting holes dimensions

	Using the screw holes in the Power Supply
Bottom mounting	Two, 3.5 dia. 55±0.5
Side mounting	Two, 3.5 dia. 66.5±0.5

Note. Terminal block direction is changed from upper side to front side.

35W / 50W Model

Bottom-mounting

S8FS-C035□□J (35 W)

Panel mounting holes dimensions

	Using the mounting holes in the Power Supply	Using the screw holes in the Power Supply
Bottom mounting	Two, M3 55.5±0.5 89±0.5	Two, 3.5 dia. 55±0.5
Side mounting	Two, M3 87±0.5	Two, 3.5 dia. 74±0.5

S8FS-C050□□J (50 W)

Panel mounting holes dimensions

	Using the mounting holes in the Power Supply	Using the screw holes in the Power Supply
Bottom mounting	Two, M3 85.5±0.5 122.5±0.5	Two, 3.5 dia. 33±0.5
Side mounting	Three, M3 120±0.5 13±0.5	Three, 3.5 dia. 18±0.5 9±0.5 77±0.5

Dimensions

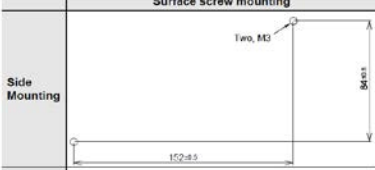
Product discontinuation
Model S8JC-Z / ZS series

100W / 5V Model

Bottom-mounting

S8JC-Z10005C (100 W) S8JC-ZS10005C-AC2 (100 W)

Panel mounting holes dimensions

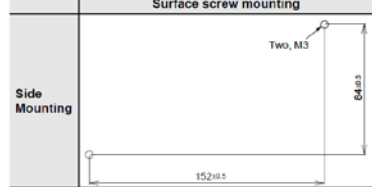
	Surface screw mounting
Side Mounting	
Bottom Mounting	

100W / 12 / 24 / 48V Model

Bottom-mounting

S8JC-Z10012C (100 W) S8JC-ZS10012C-AC2 (100 W)
S8JC-Z10024C (100 W) S8JC-ZS10024C-AC2 (100 W)
S8JC-Z10048C (100 W)

Panel mounting holes dimensions

	Surface screw mounting
Side Mounting	
Bottom Mounting	

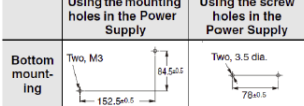
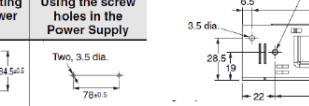
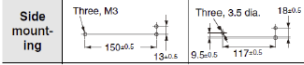
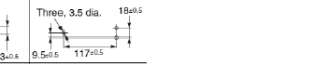
Recommended replacement
Model S8FS-C series

100W Model

Bottom-mounting

S8FS-C100□□ (100 W)

Panel mounting holes dimensions

	Using the mounting holes in the Power Supply	Using the screw holes in the Power Supply
Bottom mounting		
Side mounting		

Dimensions

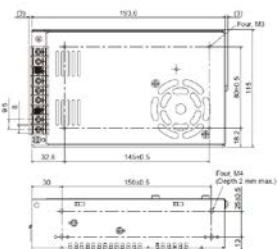
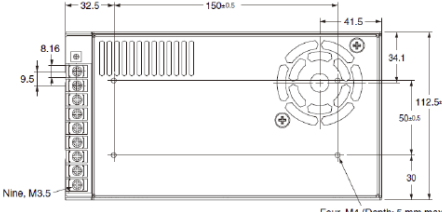
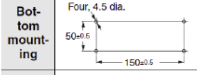
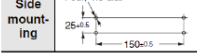
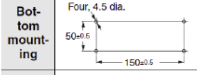
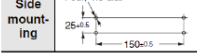
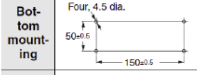
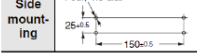
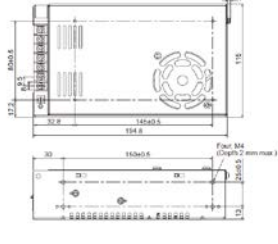
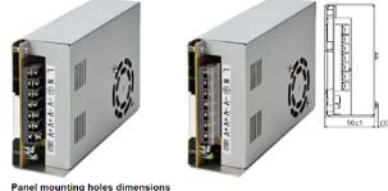
Product discontinuation
Model S8JC-Z / ZS series

150W / 5V Model

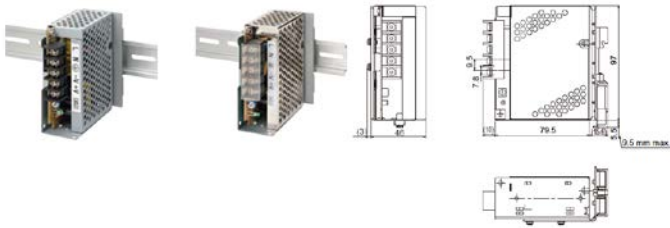
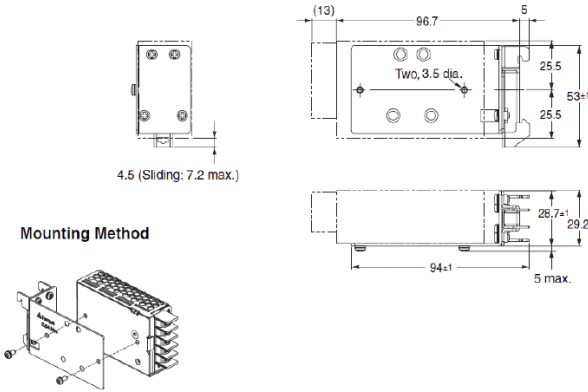
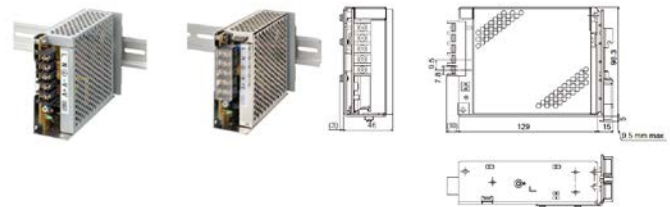
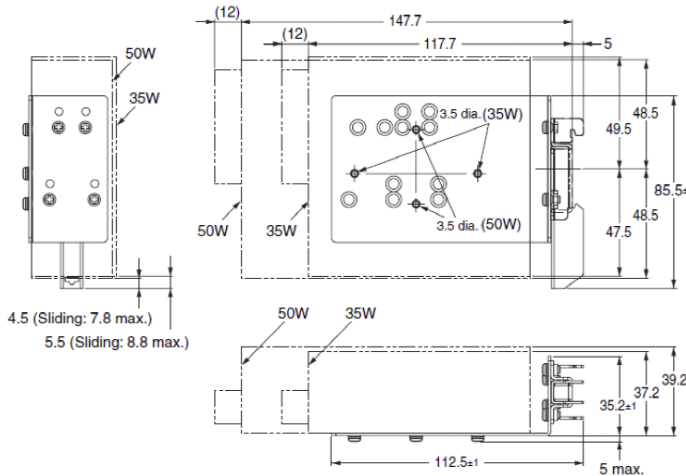
Bottom-mounting

S8JC-Z15005C (150 W) S8JC-ZS15005C-AC2 (150 W)

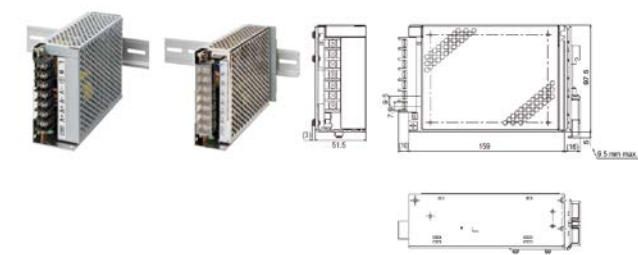
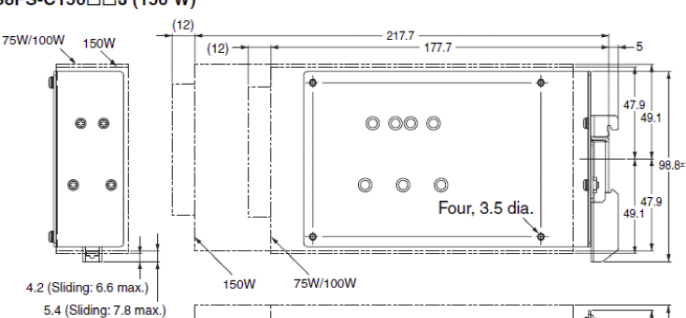
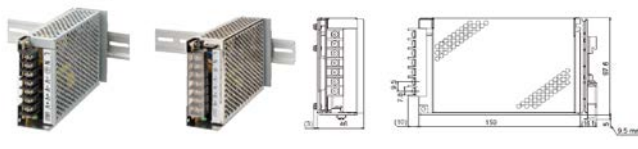
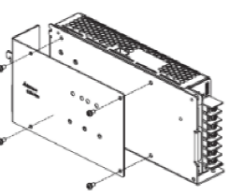
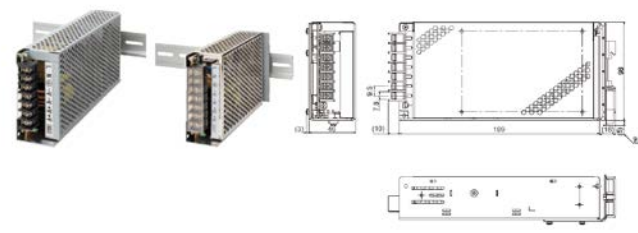
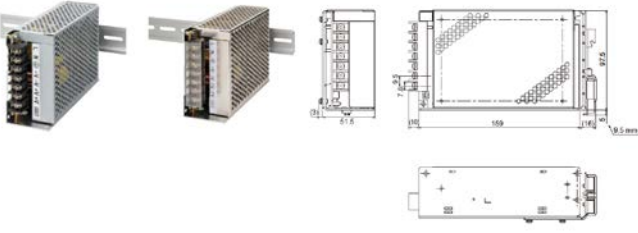
Dimensions

Product discontinuation Model S8JC-Z / ZS series	Recommended replacement Model S8FS-C series												
350W / 5 / 12V Model Bottom-mounting S8JC-Z35005C (350 W) S8JC-ZS35005C-AC2 (350 W) S8JC-Z35012C (350 W) S8JC-ZS35012C-AC2 (350 W)  Panel mounting holes dimensions <table><thead><tr><th></th><th>Surface screw mounting</th></tr></thead><tbody><tr><td>Side Mounting</td><td></td></tr><tr><td>Bottom Mounting</td><td></td></tr></tbody></table>		Surface screw mounting	Side Mounting		Bottom Mounting		350W Model Bottom-mounting S8FS-C350□□ (350 W)  Panel mounting holes dimensions <table><thead><tr><th></th><th>Using the screw holes in the Power Supply</th></tr></thead><tbody><tr><td>Bottom mounting</td><td></td></tr><tr><td>Side mounting</td><td></td></tr></tbody></table> 		Using the screw holes in the Power Supply	Bottom mounting		Side mounting	
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350W / 24V Model Bottom-mounting S8JC-Z35024C (350 W) S8JC-ZS35024C-AC2 (350 W)  Panel mounting holes dimensions <table><thead><tr><th></th><th>Surface screw mounting</th></tr></thead><tbody><tr><td>Side Mounting</td><td></td></tr><tr><td>Bottom Mounting</td><td></td></tr></tbody></table>		Surface screw mounting	Side Mounting		Bottom Mounting								
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Dimensions

Product discontinuation Model S8JC-Z / ZS series	Recommended replacement Model S8FS-C series
15W Model DIN rail-mounting S8JC-Z015□□CD (15 W) S8JC-ZS01524CD-AC2 (15 W) 	15W Model DIN rail-mounting S8FS-C015□□J (15 W) + S82Y-FSC015DIN  Mounting Method
35W / 50W Model DIN rail-mounting S8JC-Z035□□CD (35 W) S8JC-ZS035□□CD-AC2 (35 W) S8JC-Z050□□CD (50 W) S8JC-ZS050□□CD-AC2 (50 W) 	35W / 50W Model DIN rail-mounting S8FS-C035□□J (35 W) + S82Y-FSC050DIN S8FS-C050□□J (50 W)  Mounting Method Note. Outline drawing is for 50 W.

Dimensions

Product discontinuation Model S8JC-Z / ZS series	Recommended replacement Model S8FS-C series
100W / 5V Model DIN rail-mounting S8JC-Z10005CD (100 W) S8JC-ZS10005CD-AC2 (100 W) 	100W / 150W Model DIN rail-mounting S8FS-C100□□J (100 W) S8FS-C150□□J (150 W) + S82Y-FSC150DIN 
100W / 12 / 24 / 48V Model DIN rail-mounting S8JC-Z10012CD (100 W) S8JC-ZS10012CD-AC2 (100 W) S8JC-Z10024CD (100 W) S8JC-ZS10024CD-AC2 (100 W) S8JC-Z10048CD (100 W) 	Mounting Method  Note. Outline drawing is for 150 W.
150W / 5V Model DIN rail-mounting S8JC-Z15005CD (150 W) S8JC-ZS15005CD-AC2 (150W) 	
150W / 12 / 24 / 48V Model DIN rail-mounting S8JC-Z15012CD (150 W) S8JC-ZS15012CD-AC2 (150 W) S8JC-Z15024CD (150 W) S8JC-ZS15024CD-AC2 (150 W) S8JC-Z15048CD (150 W) 	

Dimensions

Product discontinuation Model S8JC-Z / ZS series	Recommended replacement Model S8FS-C series
350W / 5 / 12V Model DIN rail-mounting S8JC-Z35005CD (350 W) S8JC-ZS35005CD-AC2 (350 W) S8JC-Z35012CD (350 W) S8JC-ZS35012CD-AC2 (350 W) 350W / 24V Model DIN rail-mounting S8JC-Z35024CD (350 W) S8JC-ZS35024CD-AC2 (350 W)	350W Model DIN rail-mounting S8FS-C350□□J (350 W)+ S82Y-FSC350DIN Mounting Method

Characteristics

Item			Product discontinuation Model		Recommended replacement Model
			S8JC-Z series	S8JC-ZS series	S8FS-C series
Input	Voltage range	AC	185 to 264 VAC		15 to 50 W 85 to 264 VAC 100 W 85 to 132 VAC / 176 to 264 VAC selectable 150 to 350 W 90 to 132 VAC / 180 to 264 VAC selectable
		DC			15 to 50 W 120 to 370 VDC 100 W 248 to 373 VDC 150 to 350 W 254 to 373 VDC
	Frequency				50 / 60 Hz (47 to 64 Hz)
	Leakage current	115 VAC			0.5 mA max. (15 to 100 W, 350 W) 0.8 mA max. (150 W)
		230 VAC			1.0 mA max.
	Inrush current (for a cold start at 25°C) (typical)	115 VAC			20 A (15 to 50 W) 40 A (100 W to 350 W)
		230 VAC			40 A

Characteristics

Item			Product discontinuation Model		Recommended replacement Model
			S8JC-Z series	S8JC-ZS series	S8FS-C series
Additional functions	Overload protection		Yes		Yes
	Overvoltage protection		Yes		Yes
	Parallel operation		No		No (However, backup operation is possible, external diodes are required.)
	Series operation		No		Yes (For up to 2 Power Supplies, external diodes are required.)
Other	Dielectric strength (detection current: 20 mA)	Between all inputs and outputs	1.5 kVAC for 1min.	3.0 kVAC for 1min.	3.0 kVAC for 1min.
		Between all inputs and PE terminals	1.5 kVAC for 1min.	2.0 kVAC for 1min.	2.0 kVAC for 1min.
		Between all outputs and PE terminals	0.5 kVAC for 1min.	1.0 kVAC 2.0 for 1min.	1.0 kVAC for 1min.
	Vibration resistance		10 to 55 Hz, 0.26-mm single amplitude for 2 h each in X, Y, and Z directions		10 to 500 Hz, 0.26-mm half amplitude for 1 h each in X, Y, and Z directions
Standards			None	Conformed standard CE (EN50178)	Approved Standards UL : cURus UL 60950-1 (Recognition) OVC II Pol2 CSA: cURus C22.2 No60950-1 Conformed Standards EN: EN 60950-1 OVC II Pol2

Note. See the catalog for characteristics details.

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.