

Switch Mode Power Supplies

S8FS-G Series



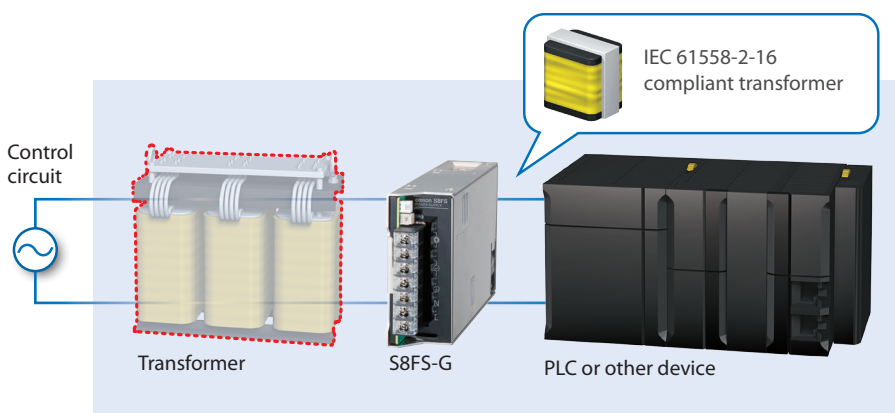
- Ideal for machine tools and semiconductor manufacturing equipment
- Conforms to F47-0706 (200 VAC input)
- Stable operation in a wide range of environments

Power Supplies that are ideal for machine tools and Semiconductor manufacturing equipment

No transformers required for control circuits

Built-in IEC 61558-2-16 compliant transformer

An IEC 61558-2-16 compliant transformer is built into the Power Supply to eliminate the need for a transformer with compound windings for control circuits for which IEC 60204-1 Machinery Directive is specified. This helps reduce cost and space requirements.



Safety standard certification

All normal stock models are UL 508 listed*

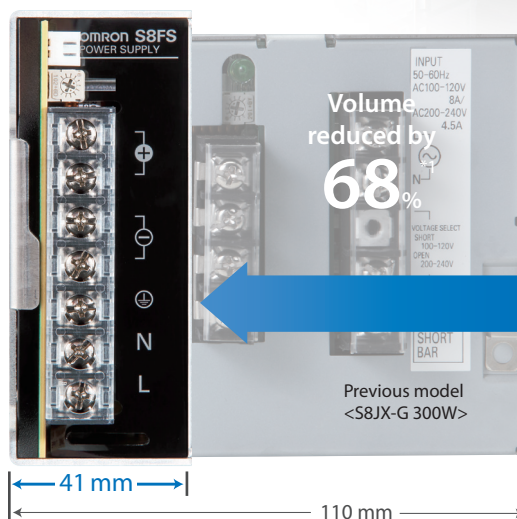
- 1 Less work is required to prepare data and materials for UL application.
- 2 Connection is possible to devices or equipment outside the control panel.



*Some optional models are UL recognized. (Excluding models with connectors.)

Equipment downsizing

Slim body for 300/600 w models



*1. For 300 w models.

Stable operation in a wide range of environments

Resistance to environments for global application

Stable operation in severe installation environments, such as those with high ambient temperatures, humidity, large vibration or those with unstable input voltages.



- Ambient operating temperature**
-20 to 70°C
 Applicable in wide range of environments from low temperature to high temperature.
- Vibration resistance to 4.5G**
 Robust design to handle severe vibration conditions.
- Abnormal input voltages up to 300 VAC***
 Stable operation even on sites with poor power quality.
 * for 1s
- Altitudes up to 3,000 m**
 Reinforced insulation and application in environments with low atmospheric pressure.

Includes captive screws and prevents entry of foreign matter

The front cover prevents entry of foreign matter From the front surface.

A removable mechanism that prevents terminal block screws from dropping out is a standard feature.

You can prevent foreign matter ingress and screw drop out that can result in product failure and accidents. This allows worry-free installation and maintenance.

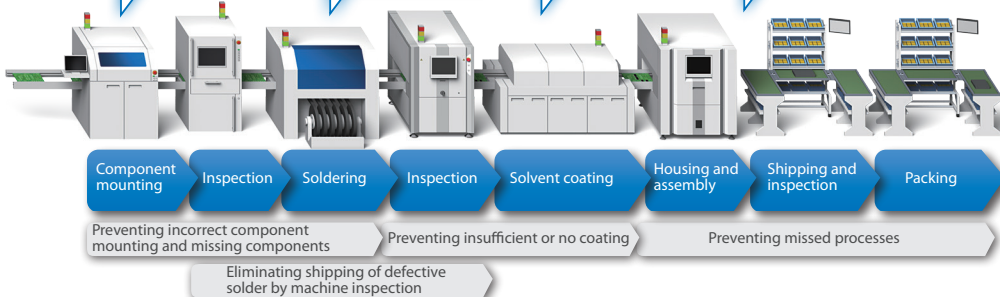
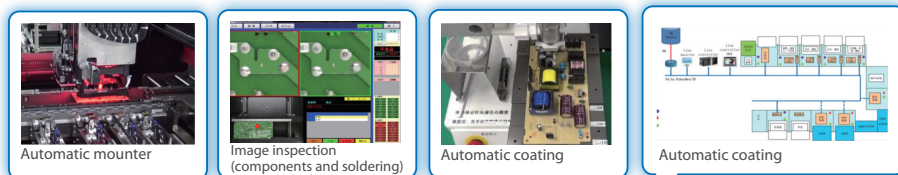


Stable, high quality

75% of all the manufacturing processes have been automated.

We have also automated inspection and confirmation processes.

Examples of Machine Introduction



Lineup

		Power ratings						
		15 w	30 w	50 w	100 w	150 w	300 w	600 w
Output Voltage	5 v						-	-
	12 v							
	15 v							
	24 v							
	48 v	-	-	-	-			

With cover/Direct-mounting type
 With cover/DIN-Rail mounting type
 Note: The photos show the With cover/Direct-mounting models.

Certified standards

North America: UL 508 (Listing)*, CSA C22.2

Europe: Overvoltage category III (EN 50178)

EMI: Class B (EN 61204-3)

SEMI: Conforms to F47-0706 (200 VAC input)

* For the certified models, refer to page 4 to 10 of the S8FS-G Switch Model Power Supplies Datasheet (T42I-E-01).

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