# Switch Mode Power Supplies

## S8FS-G




Power Supplies That Are Ideal for Machine Tools and Semiconductor Manufacturing Equipment

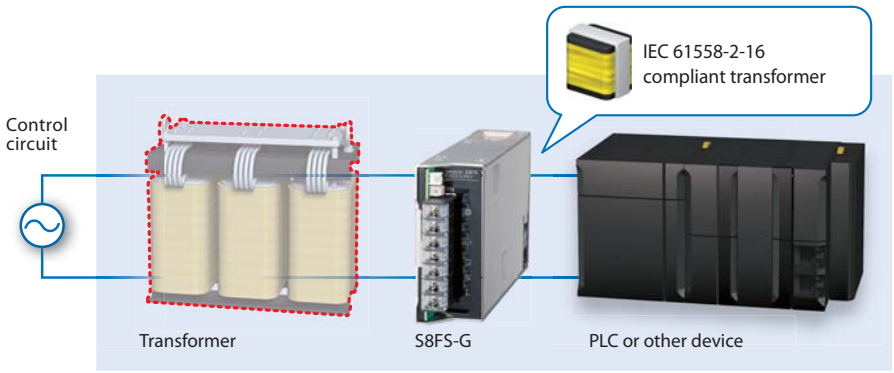
# Power Supplies That Are Ideal for Machine Tools and Semiconductor Manufacturing Equipment

An Ideal Fit

## 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.







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## Easy 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.

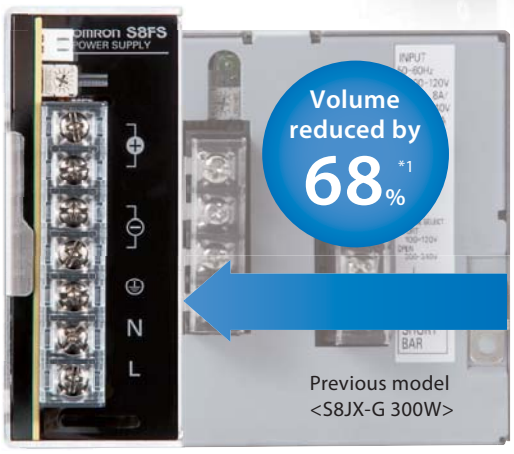
CERTIFIED

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

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## Equipment Downsizing

### Slim Body of 300-/600-W models







*1. For 300-W models.

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## 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 and humidity, or 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.



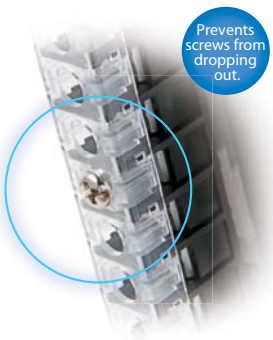

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## Prevention of Foreign Matter Ingress and Screw Drop Out

**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 for worry-free installation and maintenance work.



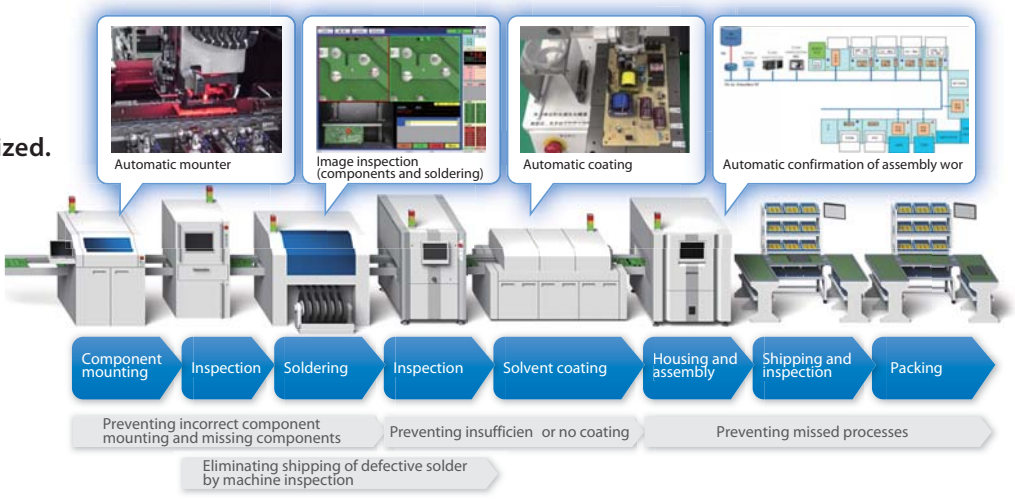




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## Stable, High Quality

**75% of all the manufacturing processes have been mechanized. We have also mechanized inspection and confirmation processes.**

Examples of Machine Introduction



## Lineup

| Output voltage | Power rating | | | | | | |
|---|---|---|---|---|---|---|---|
| | 15 w | 30 w | 50 w | 100 w | 150 w | 300 w | 600 w |
| |  |  |  |  |  |  |  |
| 5 v | ●○ | ●○ | ●○ | ●○ | ●○ | — | — |
| 12 v | ●○ | ●○ | ●○ | ●○ | ●○ | ●○ | ●○ |
| 15 v | ●○ | ●○ | ●○ | ●○ | ●○ | ●○ | ●○ |
| 24 v | ●○● | ●○● | ●○● | ●○● | ●○● | ●○ | ●○ |
| 48 v | — | — | — | — | ●○ | ●○ | ●○ |

●With cover/Direct-mounting type ○With cover/DIN-Rail mounting type ●Connector 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 (Cat No. T207-E1).

For details, refer to the S8FS-G Switch Mode Power Supplies Datasheet.

Before you place an order, please read and understand "Agreement for Using the Product" available on Omron's latest "Best control devices Omron", "General Brochure" or Omron's website.


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T208I-E3-01 Note: Specifications are subject to change.


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