

Switch Mode Power Supplies

S8FS-G



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

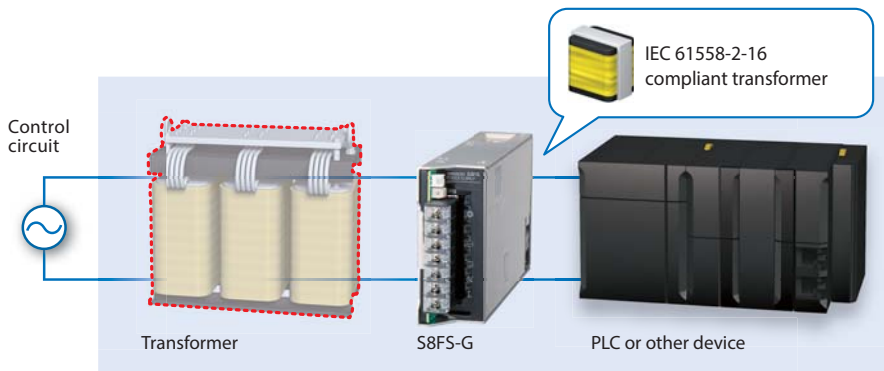
Power Supplies That Are Ideal for Machine Tools and Semiconductor Manufacturing Equipment

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.



An Ideal Fit

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.



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

An Ideal Fit

Equipment Downsizing

Slim Body of 300-/600-W models



*1. For 300-W models.

An Ideal Fit

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.



An Ideal Fit

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.

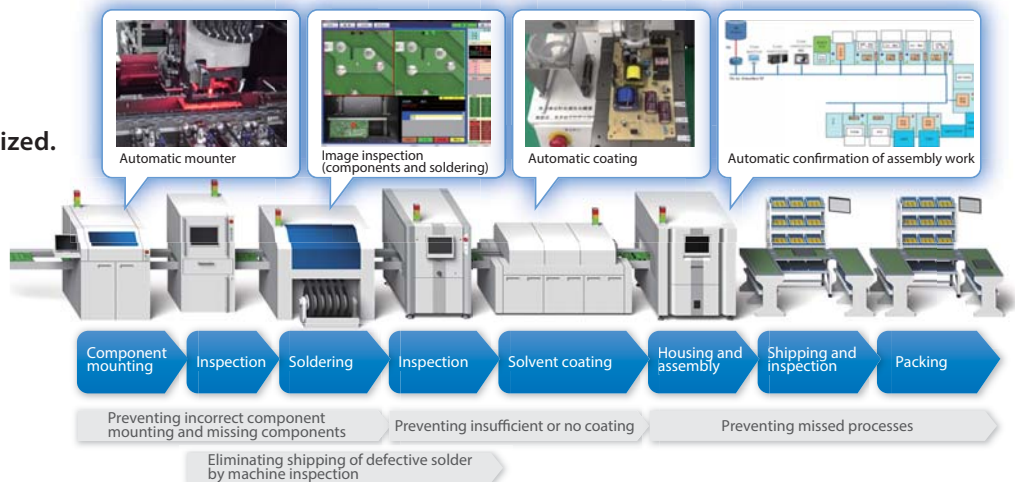


An Ideal Fit

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

		Power rating						
		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
 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 Mode Power Supplies Datasheet (Cat No. T207-E1).

For details, refer to the S8FS-G Switch Mode Power Supplies Datasheet (Cat. No. T207-E1).

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.

OMRON Corporation Industrial Automation Company
Kyoto, JAPAN

Contact: www.ia.omron.com

Regional Headquarters

OMRON EUROPE B.V.
Wegalaan 67-69, 2132 JD Hoofddorp
The Netherlands
Tel: (31)2356-81-300/Fax: (31)2356-81-388

OMRON ELECTRONICS LLC
2895 Greenspoint Parkway, Suite 200
Hoffman Estates, IL 60169 U.S.A.
Tel: (1) 847-843-7900/Fax: (1) 847-843-7787

OMRON ASIA PACIFIC PTE. LTD.
No. 438A Alexandra Road # 05-05/08 (Lobby 2),
Alexandra Technopark,
Singapore 119967
Tel: (65) 6835-3011/Fax: (65) 6835-2711

OMRON (CHINA) CO., LTD.
Room 2211, Bank of China Tower,
200 Yin Cheng Zhong Road,
PuDong New Area, Shanghai, 200120, China
Tel: (86) 21-5037-2222/Fax: (86) 21-5037-2200

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CSM_1_1_1116
Cat. No. T208-E1-01

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