Switch Mode Power Supply

S8VS

OMRON

Got questions on the S8VS series? How can a power supply with a indication monitor improve my control system??
Contact the experts at Ramco today to discuss!

Greater Simplicity for Power Supply Visualization

New economic model with indication monitor.

Valuable

&

Reasonable

Life expectancy: **10** yrs.

Vibration resistance: **4.5** G

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Ramco Innovations 800-328-6238 email: iainside@ramcoi.com

The S8VS is the answer for improved equipment reliability without additional costs.

Valuable & Reasonable

Economic models join the lineup of Power Supplies with a monitor that displays the voltage and current.

NEW

90W S8VS-09024BE

120W S8VS-12024BE
180W S8VS-18024BE
240W S8VS-24024BE

Required functions have been carefully selected to achieve affordable prices.

The reasonably priced BE models join to the S8VS Series to further enable application at worksites through quality visualization through Power Supplies with Monitor. BE models enable worksite visualization at a reasonable cost while decreasing risks and speeding up response to problems.

* BE models do not provide an alarm output.

AND

Models with screwless terminal blocks and models for UL class 2 (90 W) have been added to the lineup of Power Supplies with a Monitor.

Enabling Visualization for All Worksites

S8VS Switch Mode Power Supply

Ultra-compact design with a versatile indication monitor for greater added value at production sites.

Even the new economic models (BE models) with indication monitor provide amazing visualization.

Features of the BE Models with Indication Monitor **Visualization of Status**

See the voltage and current status at a glance.

Know the status of machinery and equipment through visualization using displays, such as for the output voltage, output current, and peak hold current. Easily and quickly verify designs and troubleshoot problems.

Output voltage display

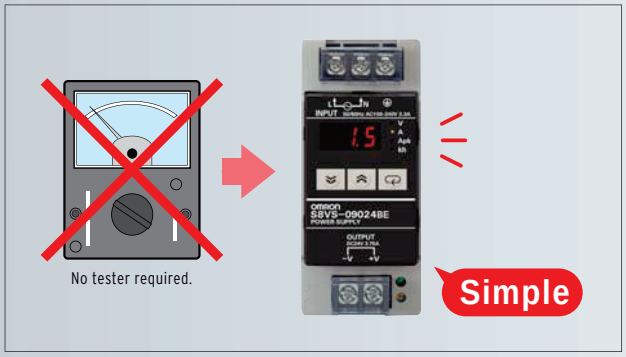
Output current display

Peak hold current display

Undervoltage detection display

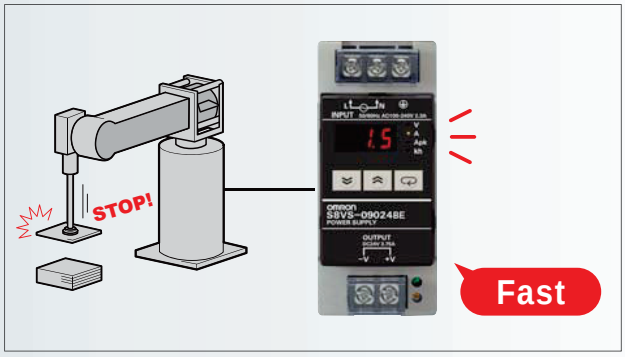
Easily verify designs without instruments.

Voltage and current displays enable easy design verification without repeatedly taking measurements with a tester.



Quickly determine the causes of problems.

Simply check the status on the indication monitor to quickly respond to problems even when machinery stops suddenly.



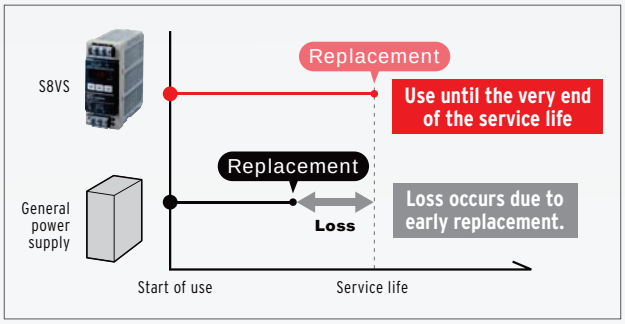
The versatile indication monitor enables visualization at the production site

The A models provide a maintenance forecast monitor for even greater visualization.

Features of the A Models with Indication Monitor **Visualization through a Maintenance Forecast**

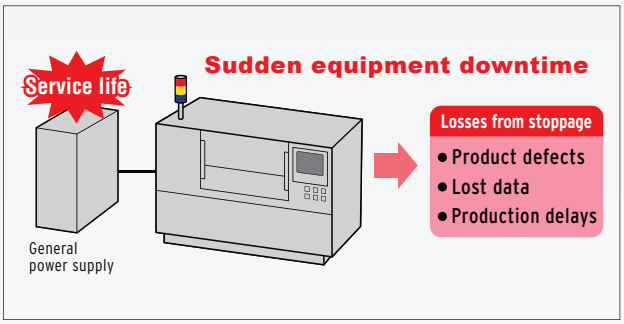
Greatly Reduce Power Supply Maintenance Costs.

Using the Power Supply until the very end of its service life reduces maintenance costs and helps save resources compared with early Power Supply replacement.



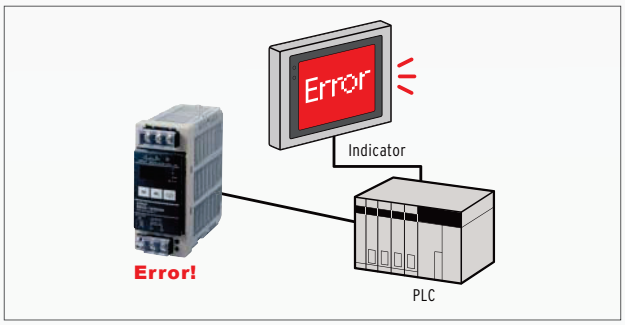
Reduce Risks at the End of the Power Supply Service Life.

Prevent sudden equipment downtime at the end of the Power Supply service life and reduce a variety of risks that occur due to losses from stoppage.



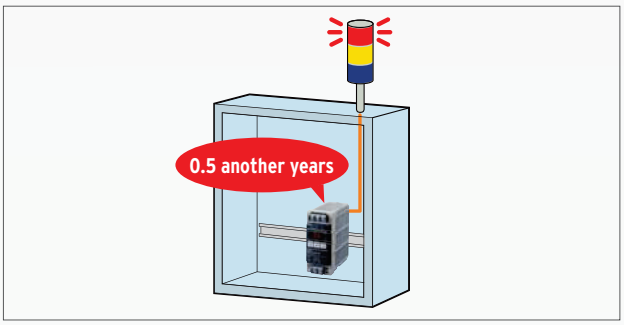
Error Monitoring with Output to a PLC

You can output error status to an event input to a PLC to monitor for errors outside of the control panel.



Maintenance Forecast Notification with Indicator

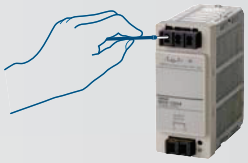
Output a signal to an indicator outside of the control panel to provide notification of need for replacement. (The replacement time can be set in increments of 0.5 year.)



Basic Performance for All Models

Easy Wiring with Screwless Terminal Blocks

The lineup includes models with screwless terminal blocks that enable easy single-action wiring by simply inserting ferrules.



Greatly Reduced Panel Mounting Area

Any of the models from 15 to 480 W is compact and slim. The panel mounting area is much smaller than for previous Power Supplies, which helps save space on the control panel.

Compliance with Safety Standards for Easy Export Overseas

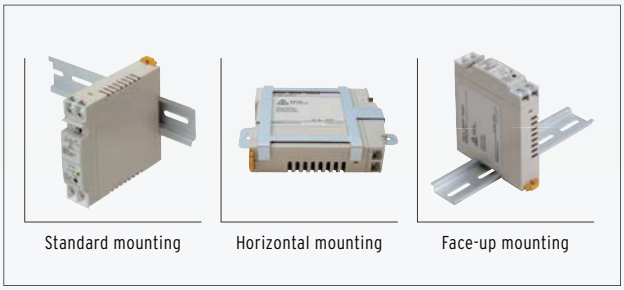
Compact, Slim Design and Reduced Work Simplify Control Panels

Standard models without a monitor also include a variety of easy-to-use features.

Features of Standard Models without Indication Monitor **Super-slim Body Saves Space.** 15/30-W Models

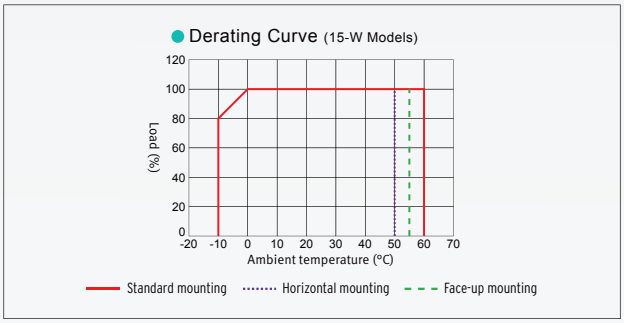
Unrestricted Mounting Orientation

Dense mounting to the panel is supported, along with unrestricted mounting orientation. You can downsize the panel, more effectively use empty space, and use the Power Supply in more applications, such as built into equipment.

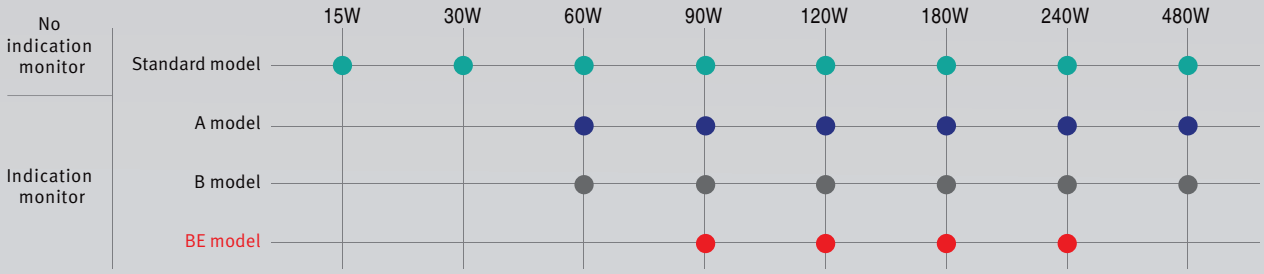


Application in High-temperature Environments

The Power Supply can be used at a 100% load with an ambient temperature of up to 60°, and greatly simplifying the thermal design of panels.

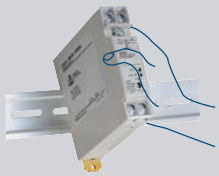


Wide Product Lineup for Precise Application



Single-action DIN Rail Mounting

All Power Supplies mount to DIN Rail. Mounting and removing the Power Supply in a single action reduces work.



Top and Bottom Terminal Blocks Prevents Incorrect Wiring

Separate terminal blocks on the top for AC inputs and on the bottom for DC outputs help prevent wiring mistakes. This also simplifies control panel design and helps prevent noise problems caused by adjacent AC and DC wiring.

Ordering Information (For details on normal stock models, contact your nearest OMRON representative.)

Standard Models without Indication Monitor

Power rating	Input voltage	Output voltage	Output current	UL Class2 output	Model number for screw terminal blocks	Model number screwless terminal blocks
15W	100 to 240 VAC	5V	2.0A	○	S8VS-01505 *1	—
		12V	1.2A	○	S8VS-01512	
		24V	0.65A	○	S8VS-01524	
30W		5V	4.0A	○	S8VS-03005 *2	
		12V	2.5A	○	S8VS-03012	
		24V	1.3A	○	S8VS-03024	
60W		24V	2.5A	○	S8VS-06024	S8VS-06024-F
90W			3.75A		S8VS-09024	S8VS-09024-F
					S8VS-09024S	S8VS-09024S-F
120W			5A		S8VS-12024	S8VS-12024-F
180W			7.5A		S8VS-18024	S8VS-18024-F
240W			10A		S8VS-24024	S8VS-24024-F
480W			20A, Peak current: 30A (at 200 VAC)		S8VS-48024	S8VS-48024-F

*1 The output capacity of the S8VS-01505 is 10 W. *2 The output capacity of the S8VS-03005 is 20 W.

Maintenance Forecast Monitor Models with Indication Monitor

Power rating	Input voltage	Output voltage	Output current	Alarm output	UL Class2 output	Model number for screw terminal blocks	Model number screwless terminal blocks
60W	100 to 240 VAC (allowable range: 85 to 264 VAC)	24V	2.5A	—	○	S8VS-06024A	S8VS-06024A-F
90W			3.75A	Sinking		S8VS-09024A	S8VS-09024A-F
				Sinking	○	S8VS-09024AS	S8VS-09024AS-F
				Sourcing		S8VS-09024AP	S8VS-09024AP-F
				Sourcing	○	S8VS-09024APS	S8VS-09024APS-F
120W			5A	Sinking		S8VS-12024A	S8VS-12024A-F
				Sourcing		S8VS-12024AP	S8VS-12024AP-F
180W			7.5A	Sinking		S8VS-18024A	S8VS-18024A-F
				Sourcing		S8VS-18024AP	S8VS-18024AP-F
240W			10A	Sinking		S8VS-24024A	S8VS-24024A-F
				Sourcing		S8VS-24024AP	S8VS-24024AP-F
480W			20A, Peak current: 30A (at 200 VAC)	Sinking/ sourcing		S8VS-48024A	S8VS-48024A-F

Total Run Time Monitor Models with Indication Monitor

Power rating	Input voltage	Output voltage	Output current	Alarm output	UL Class2 output	Model number for screw terminal blocks	Model number screwless terminal blocks
60W	100 to 240 VAC (allowable range: 85 to 264 VAC, 80 to 370 VDC*)	24V	2.5A	—	○	S8VS-06024B	S8VS-06024B-F
90W			3.75A	—		S8VS-09024BE	S8VS-09024BE-F
				—	○	S8VS-09024BES	S8VS-09024BES-F
				Sinking		S8VS-09024B	S8VS-09024B-F
				Sinking	○	S8VS-09024BS	S8VS-09024BS-F
				Sourcing		S8VS-09024BP	S8VS-09024BP-F
				Sourcing	○	S8VS-09024BPS	S8VS-09024BPS-F
120W			5A	—		S8VS-12024BE	S8VS-12024BE-F
				Sinking		S8VS-12024B	S8VS-12024B-F
				Sourcing		S8VS-12024BP	S8VS-12024BP-F
180W			7.5A	—		S8VS-18024BE	S8VS-18024BE-F
				Sinking		S8VS-18024B	S8VS-18024B-F
				Sourcing		S8VS-18024BP	S8VS-18024BP-F
240W			10A	—		S8VS-24024BE	S8VS-24024BE-F
				Sinking		S8VS-24024B	S8VS-24024B-F
				Sourcing		S8VS-24024BP	S8VS-24024BP-F
480W			20A, Peak current: 30A (at 200 VAC)	Sinking/ sourcing		S8VS-48024B	S8VS-48024B-F

*DC input is supported for BE models only. The range for compliance with EC Directives and safety standards (UL, EN, etc.) is 100 to 240 VAC (85 to 264 VAC).

For details, refer to the S8VS Datasheet (Cat. No. T026-E1).

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Cat. No. T046-E1-01 01/11 Note: Specifications are subject to change.