

UP  DATE

Compact power supply with
monitoring display

S8VS SERIES

for easy maintenance of your system



Advanced Industrial Automation

OMRON



Omron's S8VS is the ideal power supply series for manufacturers. It features a unique 3-digit, 7-segment LED display that provides information on output voltage, output current and output peak current for faster, easier diagnostics. It has a built-in run time monitor that indicates the total operation time of the power supply, and maintenance forecast monitor that indicates its predicted remaining life. The power supply's very compact size requires less panel space than similar models in the market. Its DIN-rail click-on system makes installation a very easy process. And it is available in a variety of power ratings from 15W to 240W!

Ultra-compact dimensions, unique LED display!

The S8VS series is currently the ONLY power supply family available in Europe with the unique LED display function. Machine builders for the packaging, automotive and textile industries can now enjoy the obvious benefits that the S8VS brings, including ease of installation and maintenance, less panel space requirements and therefore less costs.



- **Omron's quality and reliability built-in**
 - *Designed and tested to Omron's renowned high standards, each product in this range meets all relevant international standards and provides consistently superb quality throughout its working life.*
- **Total hardware supplier**
 - *Omron's huge product portfolio ensures that there's always a product available to handle your specific application!*
- **Complete solutions provider**
 - *Omron's drive for continuous development and use of innovative technologies, combined with its strict quality-first policy and just-in-time delivery of components and solutions, makes us the ideal business partner for even the most demanding user.*



The display that tells you everything!

Looking for the source of a power problem in a typical machine panel requires a lot of time and equipment. Not so with the S8VS! Via this power supply's 3-digit, 7-segment display you can check the status of voltage, current, remaining lifetime and total run time of the unit. You can also check the output peak current, and quickly diagnose open-circuits or short-circuits to the system. In fact most diagnostics can be quickly performed via this display!

Unique 3-digit, 7-segment LED display of the S8VS!

What it displays:

- **Output voltage**
 - *Easy to adjust output voltage during set-up, and monitor it continuously.*
- **Output current**
 - *Easy to see whether your load is within the range of the power supply under stable conditions.*
- **Peak hold current**
 - *Easy to diagnose maximum load of your machine, and whether there are any errors.*
- **Total run time monitor**
 - *Indicates the total operating time of the power supply. It eliminates the need for routine checks, which reduces operational and maintenance costs, with an alarm output. It is also possible to set elapsed time alarms and with the transistor output these can be used to indicate that maintenance has become due to those parts connected.*
- **Maintenance forecast monitor**
 - *This indicates the predicted remaining life of the power supply by monitoring the condition of the electrolytic capacitors inside the unit. The alarm output eliminates the need for routine checks, which in turn reduces operational and maintenance costs.*
- **Undervoltage alarm**
 - *This indicator lights when the output voltage is insufficient (transistor output is provided for urgent notification (except for 60W model)).*

Built-in monitor for preventive maintenance

The S8VS has a microprocessor-controlled total run time monitor and maintenance forecast monitor. Both of these functions allow the end user to monitor the power status. Together with the alarm output this feature provides a suitable means of preventive maintenance.

Ultra-compact size saves space and money

Each S8VS power supply provides exceptional power per cm³. The ultra-compact dimensions of these slim power supplies mean that less panel space is required.



Easy to mount and install

The S8VS features a DIN-rail click-on system for easy mounting. The terminal locations are situated at the upper and lower side of the power supply, which makes installation easier and prevents wiring errors.

Environmentally friendly

Omron's policy of environmental awareness is reflected in these products. The soldering in all of the S8VS models is lead-free.


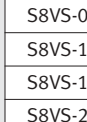

Power range

The range includes 15W, 30W, 60W, 90W, 120W, 180W and 240W models. These models cover most of the market requirements. Omron also provides models without the 7-segment display monitor, offering you an even wider selection to choose from!

Protecting your system

To prevent unexpected downtime due to a power failure or to control the shutdown process in the event of a mains fault, Omron has developed the S8T-DCBU-02 buffer block. This buffer block is maintenance-free and is one of the most cost-efficient ways of protecting your system. It provides a back-up power source for at least 500ms (at 2.5A) to 1s (at 1A). Up to four of these blocks can be connected in parallel to increase the back-up time and current handling capacity.

Ordering information

	Type	Power	Input voltage	Output voltage (current)	Alarm output (PNP)	Dimensions (W x H x D)	S8T-DCBU-02 buffer unit
	S8VS-01505	15W	100-240VAC (85-264VAC) 50/60Hz	5VDC (2A) ¹	No	22.5 x 85 x 96.4mm	No
	S8VS-01512			12VDC (1.2A)	No		No
	S8VS-01524			24VDC (0.65A)	No		Yes
	S8VS-03005	30W		5VDC (4A) ²	No		No
	S8VS-03012			12VDC (2.5A)	No		No
	S8VS-03024			24VDC (1.3A)	No		Yes
	S8VS-06024	60W	24VDC (2.5A)	No	40 x 95 x 108.3mm	Yes	
	S8VS-09024	90W	24VDC (3.75A)	No	50 x 115 x 121.3mm	Yes	
	S8VS-12024	120W	24VDC (5A)	No	Yes		
	S8VS-18024	180W	24VDC (7.5A)	No	70 x 115 x 125.3mm	Yes	
	S8VS-24024	240W	24VDC (10A)	No	100 x 115 x 125.3mm	Yes	
	S8VS-06024A	60W	24VDC (2.5A)	No	40 x 95 x 108.3mm	Yes	
	S8VS-06024B		24VDC (2.5A)	No		Yes	
	S8VS-09024AP	90W	24VDC (3.75A)	Yes	50 x 115 x 121.3mm	Yes	
	S8VS-09024BP		24VDC (3.75A)	Yes		Yes	
	S8VS-12024AP	120W	24VDC (5A)	Yes	Yes		
	S8VS-12024BP		24VDC (5A)	Yes		Yes	
	S8VS-18024AP	180W	24VDC (7.5A)	Yes	70 x 115 x 125.3mm	Yes	
	S8VS-18024BP		24VDC (7.5A)	Yes		Yes	
	S8VS-24024AP	240W	24VDC (10A)	Yes	100 x 115 x 125.3mm	Yes	
	S8VS-24024BP		24VDC (10A)	Yes		Yes	

AP-type: with maintenance forecast monitor and output status alarm (sourcing).
BP-type: with total run time monitor and output status alarm (sourcing).

¹ The output capacity of the S8VS-01505 is 10W.

² The output capacity of the S8VS-03005 is 20W.

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