

Switch Mode Power Supply

S8VS (15/30/60/90/120/180/240/480-W Models)

Multi-Function Indication Monitor for Production Site Visualization *



- Status displayed on 3-digit, 7-segment display. *
- Signal output notifications at 90 W or more. *
- Conformity to various safety standards for global usability.
- Varied coverage with 3-year warranty.

* Models with indication monitor



Refer to *Safety Precautions for All Power Supplies* and *Safety Precautions* on page 32.

Recommended Noise Filter



Noise filter
S8V-NF

For more information, refer to *S8V-NF Noise Filter Data Sheet* (Cat. No. T212-E1).

For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

Model Number Structure

Model Number Legend

Note: Not all combinations are possible. Refer to *List of Models* in *Ordering Information*, below.

S8VS- -

1 2 3 4 5 6

1. Power Ratings

- 015: 15 W
- 030: 30 W
- 060: 60 W
- 090: 90 W
- 120: 120 W
- 180: 180 W
- 240: 240 W
- 480: 480 W

2. Output voltage

- 05: 5 V
- 12: 12 V
- 24: 24 V

3. Indication monitor

- None: Without indication monitor (standard model)
- A: With indication monitor (maintenance forecast monitor)
- B: With indication monitor (total run time monitor)
- BE: With indication monitor but without alarm output (total run time monitor)

4. Alarm output

- None: Sinking (Emitter COM) *
 - P: Sourcing (Collector COM)
- Note:** No alarm output possible with 60-W models.
* Both sinking and sourcing outputs are available for 480-W models.

5. UL Class 2 Output Standards (UL 1310)

- None: Does not conform. *
 - S: Conforms.
- * 15-W, 30-W, and 60-W models conform to Class 2 output standards (UL 1310).
Note: The S option is available only for 90-W models.

6. Terminal Block Form

- None: Screw terminal block
- F: Screwless terminal block

Note: Estimates can be provided for coatings and other specifications that are not given in the datasheet. Ask your OMRON representative for details.

S8VS

Ordering Information

List of Models

Note: For details on normal stock models, contact your nearest OMRON representative.

Models without Indication Monitor (Standard Models)

Power ratings	Input voltage	Output voltage	Output current	UL Class 2 Output standards	Model number (screw terminal block)	Model number (screwless terminal block)
15 W	100 to 240 VAC (allowable range: 85 to 264 VAC or 80 to 370 VDC *3)	5 V	2.0 A	Yes	S8VS-01505 *1	---
		12 V	1.2 A	Yes	S8VS-01512	
		24 V	0.65 A	Yes	S8VS-01524	
30 W		5 V	4.0 A	Yes	S8VS-03005 *2	
		12 V	2.5 A	Yes	S8VS-03012	
		24 V	1.3 A	Yes	S8VS-03024	
60 W		24 V	2.5 A	Yes	S8VS-06024	S8VS-06024-F
90 W				---	S8VS-09024	S8VS-09024-F
			Yes	S8VS-09024S	S8VS-09024S-F	
120 W			5 A	---	S8VS-12024	S8VS-12024-F
180 W			7.5 A	---	S8VS-18024	S8VS-18024-F
240 W			10 A	---	S8VS-24024	S8VS-24024-F
	20 A Peak current 30 A (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.

*3. The range for compliance with EC Directives and safety standards (UL, EN, etc.) is 100 to 240 VAC (85 to 264 VAC).

Models with Indication Monitor (Maintenance Forecast Monitor)

Power ratings	Input voltage	Output voltage	Output current	Alarm output *2	UL Class 2 Output standards	Model number (screw terminal block)	Model number (screwless terminal block)
60 W	100 to 240 VAC (allowable range: 85 to 264 VAC or 80 to 370 VDC *1)	24 V	2.5 A	---	Yes	S8VS-06024A	S8VS-06024A-F
90 W				Sinking	---	S8VS-09024A	S8VS-09024A-F
			Sinking	Yes	S8VS-09024AS	S8VS-09024AS-F	
			Sourcing	---	S8VS-09024AP	S8VS-09024AP-F	
			Sourcing	Yes	S8VS-09024APS	S8VS-09024APS-F	
120 W			5 A	Sinking	---	S8VS-12024A	S8VS-12024A-F
				Sourcing	---	S8VS-12024AP	S8VS-12024AP-F
180 W			7.5 A	Sinking	---	S8VS-18024A	S8VS-18024A-F
				Sourcing	---	S8VS-18024AP	S8VS-18024AP-F
240 W			10 A	Sinking	---	S8VS-24024A	S8VS-24024A-F
				Sourcing	---	S8VS-24024AP	S8VS-24024AP-F
480 W			100 to 240 VAC	20 A Peak current 30 A (200 VAC)	Sinking/sourcing	---	S8VS-48024A

*1. The range for compliance with EC Directives and safety standards (UL, EN, etc.) is 100 to 240 VAC (85 to 264 VAC).

*2. In the Alarm output column, "sinking" indicates an emitter COM and "sourcing" indicates a collector COM.

Models with Indication Monitor (Total Run Time Monitor)

Power ratings	Input voltage	Output voltage	Output current	Alarm output *2	UL Class 2 Output standards	Model number (screw terminal block)	Model number (screwless terminal block)
60 W	100 to 240 VAC (allowable range: 85 to 264 VAC or 80 to 370 VDC) *1	24 V	2.5 A	---	Yes	S8VS-06024B	S8VS-06024B-F
90 W				---	---	S8VS-09024BE	S8VS-09024BE-F
			---	Yes	S8VS-09024BES	S8VS-09024BES-F	
			Sinking	---	S8VS-09024B	S8VS-09024B-F	
			Sinking	Yes	S8VS-09024BS	S8VS-09024BS-F	
			Sourcing	---	S8VS-09024BP	S8VS-09024BP-F	
			Sourcing	Yes	S8VS-09024BPS	S8VS-09024BPS-F	
120 W			5 A	---	---	S8VS-12024BE	S8VS-12024BE-F
				Sinking	---	S8VS-12024B	S8VS-12024B-F
				Sourcing	---	S8VS-12024BP	S8VS-12024BP-F
180 W			7.5 A	---	---	S8VS-18024BE	S8VS-18024BE-F
				Sinking	---	S8VS-18024B	S8VS-18024B-F
	Sourcing	---		S8VS-18024BP	S8VS-18024BP-F		
240 W	10 A	---	---	S8VS-24024BE	S8VS-24024BE-F		
		Sinking	---	S8VS-24024B	S8VS-24024B-F		
		Sourcing	---	S8VS-24024BP	S8VS-24024BP-F		
480 W	100 to 240 VAC	20 A Peak current 30 A (200 VAC)	Sinking/sourcing	---	S8VS-48024B	S8VS-48024B-F	

*1. The range for compliance with EC Directives and safety standards (UL, EN, etc.) is 100 to 240 VAC (85 to 264 VAC).

*2. In the Alarm output column, "sinking" indicates an emitter COM and "sourcing" indicates a collector COM.

Note: Refer to pages 24 to 25 for the options that available.