New Product

OMRON

Switch Mode Power Supply
S8VK-X (60/120/240/480-W Models)

EtherNet/IP, Modbus TCP-Compatible Maximizing System Availability Through the Connecting of Equipment to IoT

- Product replacement time, output voltage, output current, and more are acquired on the network and can be managed all at once
- Product status can be checked on-site using the indication monitor
- Ambient operating temperatures from -40 to 70°C
- Power Boost function at 150% (240 and 480 W)
- Side-by-side mounting possible (up to 55°C)
- UL Class 2 conformance (90 W or less)
- Complies with EN/IEC 61558-2-16
- Coated PCBs for better resistance to environment

⚠ **Refer to *Safety Precautions* on page 20.**

Recommended Noise Filter

Noise filter
S8V-NF

Listed on page 28.

Model Number Structure

Model Number Legend

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

S8VK- X□□□□□□-EIP
1 2 3

1. Power Ratings
030: 30 W
060: 60 W
090: 90 W
120: 120 W
240: 240 W
480: 480 W

2. Output voltage
05: 5 V
12: 12 V
24: 24 V

3. Indication monitor
A: With indication monitor
None: Without indication monitor

Ordering Information

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

With Indication Monitor

Power rating	Rated input voltage	Rated output voltage (DC)	Rated output current	Maximum boost current	Model number
90 W	100 to 240 VAC (allowable range: 85 to 264 VAC, 90 to 350 VDC)	24 V	3.75 A	---	**S8VK-X09024A-EIP**
120 W		24 V	5 A	6 A	**S8VK-X12024A-EIP**
240 W		24 V	10 A	15 A	**S8VK-X24024A-EIP**
480 W		24 V	20 A	30 A	**S8VK-X48024A-EIP**

Without Indication Monitor

Power rating	Rated input voltage	Rated output voltage (DC)	Rated output current	Maximum boost current	Model number
30 W	100 to 240 VAC (allowable range: 85 to 264 VAC, 90 to 350 VDC)	5 V	5 A ***1***	6 A	**S8VK-X03005-EIP**
60 W		12 V	4.5 A ***2***	5.4 A	**S8VK-X06012-EIP**
		24 V	2.5 A	3 A	**S8VK-X06024-EIP**
90 W		24 V	3.75 A	---	**S8VK-X09024-EIP**
120 W		24 V	5 A	6 A	**S8VK-X12024-EIP**
240 W		24 V	10 A	15 A	**S8VK-X24024-EIP**
480 W		24 V	20 A	30 A	**S8VK-X48024-EIP**

1. Output power is 25 W at rated output current.
2. Output power is 54 W at rated output current.

Mounting Brackets (Order Separately)

Power rating	Mounting direction	Model number
30 W, 60 W	Front mounting	**S82Y-VS10F**
30 W, 60 W	Side mounting	**S82Y-VS10S**
240 W, 480 W	Front mounting	**S82Y-VK10F**

DIN Rail Mounting (Order Separately)

Part name	Model number
Mounting Rail (Material: Aluminum)	**PFP-100N**
	PFP-50N
	PFP-100N2
End Plate	**PFP-M**

Recommended Ethernet Communications Cables

Use STP (shielded twisted-pair) cable of category 6A or higher

Appearance	Type	Cable Sheath Material	Part Number	Length in inch (cm)	xx = Length	y = Color
	Category 6A Cable with Connectors on Both Ends (RJ45/RJ45)	LOW Smoke Zero Halogen (LSZH)	**XS6W-6LSZH8SSxxCM-y**	7.87 (20)	20	B = Blue
				11.8 (30)	30	
				19.6 (50)	50	
				39.4 (100)	100	

Example: XS6W-6LSZH8SS100CMB = CAT6A cable with RJ45 connectors at both ends 39.4 inch (100 cm) long, Blue

Recommended Industrial Switching Hubs (Order Separately)

Name	Shape	Specification			Model number
		Functions	No. of ports	Failure detection function	
Industrial switching hub		Priority control (QoS): EtherNet/IP control data priority Failure detection: Broadcast storm/ LSI abnormality detection 10/100BASE-TX, Auto-Negotiation	3	No	W4S1-03B
			5	No	W4S1-05B
			5	Yes	W4S1-05C