

Switch Mode Power Supply

8VK-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



















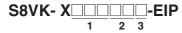




Model Number Structure

Model Number Legend

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



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

S8VK-X

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		5 V	5 A *1	6 A	S8VK-X03005-EIP
60 W		12 V	4.5 A *2	5.4 A	S8VK-X06012-EIP
	100 to 240 VAC (allowable range: 85 to 264 VAC, 90 to 350 VDC)	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.

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		
	PFP-100N		
Mounting Rail (Material: Aluminum)	PFP-50N		
	PFP-100N2		
End Plate	PFP-M		

Recommended Ethernet Communications Cables

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

Appearance	Туре	Cable Sheath Material	Part Number	Length in inch (cm)	xx = Length	y = Color
	0.1			7.87 (20)	20	
	Category 6A Cable with Connectors on Both Ends (RJ45/RJ45)	LOW Smoke Zero Halogen (LSZH)	XS6W-6LSZH8SSxxCM-y	11.8 (30)	30	B = Blue
				19.6 (50)	50	
A				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)

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

^{*2.} Output power is 54 W at rated output current.