

## Switch Mode Power Supply

# S8VK-T (120/240/480/960 W Models)

**Worldwide 3-phase Power Supply**  
**Resistant in tough environments**  
**Easy and fast installation**  
**The most compact class on the market**

- Wide input range for worldwide applications:  
380 to 480 VAC (320 to 576 VAC)
- Possible for 2-phase input usage\*:  
380 to 480 VAC (340 to 576 VAC)  
\*When using the 960 W at 2-phase input, the power rating is 768 W.
- DC input can be available\*:  
450 to 600 VDC (450 to 810 VDC)  
\*Excluding 960 W
- High efficiency 91% typ. at 480 W model
- Wide operation temperature range: -40 to 70°C
- Power Boost function at 120%
- Meets LR maritime standards
- EMS: Conforms to EN 61204-3  
EMI: EN61204-3 Class B
- RoHS Compliant
- Three years Warranty

**Note:** Three years warranty conditions: Rated input voltage, 80% load,  
Ambient operating temperature: 40°C, Standard mounting



Refer to *Safety Precautions for All Power Supplies* and *Safety Precautions* on page 13.

### Related Products

#### DC Electronic Circuit Protector S8V-CP



**Note:** Refer to the S8V-CP Datasheet (Cat. No. T226-E1)  
for details.

# S8VK-T

## Model Number Structure

### Model Number Legend

S8VK-T 

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|--|--|--|--|--|

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1. Power Ratings

120: 120 W

240: 240 W

480: 480 W

960: 960 W
2. Output voltage

24: 24 V

## Ordering Information

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

| Power ratings | Input voltage                                           | Output Voltage | Output current | Boost Current | Model number |
|---------------|---------------------------------------------------------|----------------|----------------|---------------|--------------|
| 120 W         | 2-phase and 3-phase<br>380 to 480 VAC<br>450 to 600 VDC | 24 V           | 5 A            | 6 A           | S8VK-T12024  |
| 240 W         |                                                         | 24 V           | 10 A           | 12 A          | S8VK-T24024  |
| 480 W         |                                                         | 24 V           | 20 A           | 24 A          | S8VK-T48024  |
| 960 W         | 3-phase<br>380 to 480 VAC                               | 24 V           | 40 A           | 48 A          | S8VK-T96024  |
|               | 2-phase<br>380 to 480 VAC                               | 24 V           | 32 A           | -             |              |