

Power Supplies

Omron Power Supplies are the backbone of electrical manufacturing systems



Omron Power Supply Portfolio

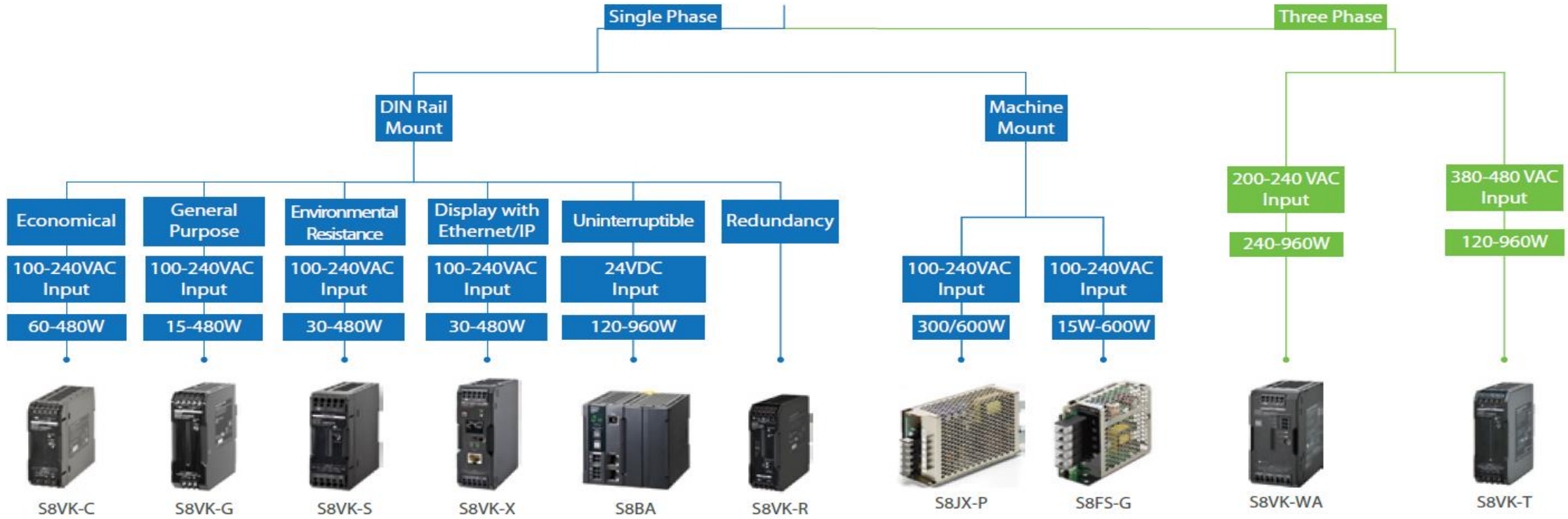
Making power supplies for over 30 years!

Omron Power Supplies



Performance

What type of power supply is required?



Recommended use with power supplies

Model	Description	Part Number
S8V-NF	Noise Filter, Single-phase, 250VAC, 6A	S8V-NFS206
S8V-CP	24VDC Circuit Protector, 4-channel output	S8V-CP0424
S8V-CP	24VDC Circuit Protector, 8-channel output	S8V-CP0824





S8VK-G: General Purpose Power Supply

Specifications:

- Single-Phase
- Input voltage: 100-240 VAC
- Output voltage: 5, 12, 24, 48 VDC
- Power Rating : 15 , 30, 60, 120, 240, 480 W
- Current Rating : 1.3, 2.5, 5, 10, 20 A
- Operating Temperature: -40°C to 70°C
- Vibration Resistance : 5G
- Minimum Life Expectancy: 10 yrs.
- UL Listed
- Over-voltage and over-current protection



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Most popular power supply model



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Economy version of
most popular model

S8VK-C: Cost Reduced Economy Model



Specifications:

- Single-Phase
- Input voltage: 100-240 VAC
- Output voltage: 24 VDC
- Power Rating : 60, 120, 240, 480 W
- Current Rating : 2.5, 5, 10, 20 A
- Operating Temperature: -25°C to 60°C
- Vibration Resistance : 3G-5G
- Minimum Life Expectancy: 10 yrs.
- UL/CSA Listed
- Over-voltage and over-current protection
- Approx. 25% Cost Reduction over S8VK-G General Purpose



S8FS-G Enclosed Machine Mount

Specifications:

- Single-Phase
- Input voltage: 100-240 VAC
- Output voltage: 5VDC, 12VDC, 24 VDC, 48 VDC
- Power Rating : 15, 30, 50, 100, 150, 300, 600 watts
- Current Rating : .65, 1-1.5, 2.2-5, 10, 20, 25, 40, 50 Amps
- Operating Temperature: -20°C to 70°C
- Vibration Resistance : 3G-5G
- Minimum Life Expectancy: 10 yrs.
- UL/CSA Listed, UL508/60950-1,
- Over-voltage and over-current protection
- Mounting holes for securing to enclosure or cabinet



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For use in enclosures or cabinet mounting



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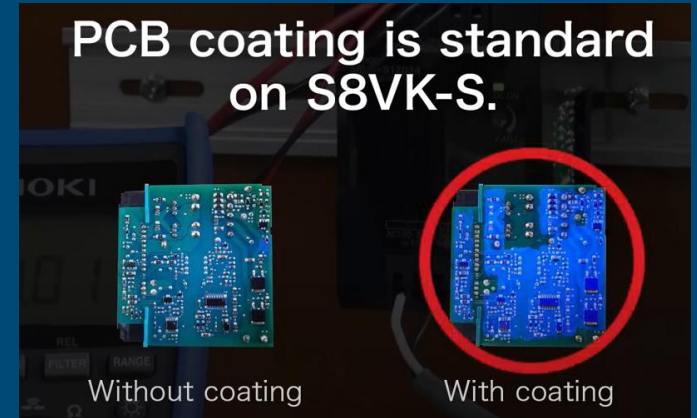
For use in harsh environments

S8VK-S: Environmentally Resistant



Specifications:

- Single-Phase
- Input voltage: 100-240 VAC
- Output voltage: 24 VDC
- Power Rating : 30, 60, 120, 240, 480 W
- Current Rating : 1.3, 2.5, 5, 10, 20 A
- Operating Temperature: -40°C to 70°C
- Vibration Resistance : 5G
- Power Boost: 120%-150% (various models)
- Minimum Life Expectancy: 10 yrs.
- UL/CSA Listed
- Over-voltage and over-current protection
- Internal electronics sealed from environmental hazards





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Ethernet/IP remote
monitoring

S8VK-X: IoT/Predictive Maintenance



Specifications:

- Single-Phase
- Input voltage: 100-240 VAC
- Output voltage: 5, 12, 24 VDC
- Power Rating : 30, 60, 90, 120, 240, 480 Watts
- Current Rating : 3.75, 5, 10, 20 Amps
- Operating Temperature: -40°C to 70°C
- Vibration Resistance : 5G
- Power Boost 120-150% (various models)
- Minimum Life Expectancy: 10 yrs.
- UL/CSA Listed
- Over-voltage and over-current protection
- IoT: Ethernet/IP & Modbus TCP Communications Port with monitoring software



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480V AC 3-Phase Power

S8VK-T: 480 VAC Basic 3-Phase Supply



Specifications:

- Three-Phase
- Input voltage: 380-480 VAC
- Output voltage: 5, 12, 24, 48 VDC
- Power Rating : 15 , 30, 60, 120, 240, 480 W
- Current Rating : 1.3, 2.5, 5, 10, 20 A
- Operating Temperature: -40°C to 70°C
- Vibration Resistance : 5G
- Power Boost 120%
- Minimum Life Expectancy: 10 yrs.
- UL Listed
- Over-voltage and over-current protection
- General Purpose 480VAC 3-phase power supply

S8VK-WA: 240 VAC 3-Phase Supply



Specifications:

- Three-Phase
- Input voltage: 200-240 VAC
- Output voltage: 24 VDC
- Power Rating : 240, 480, 960 Watts
- Current Rating : 10, 20, 40 Amps
- Operating Temperature: -40°C to 70°C
- Vibration Resistance : 5G
- Power Boost 150%
- Minimum Life Expectancy: 10 yrs.
- UL Listed, Over-voltage and over-current protection
- General Purpose 240VAC 3-phase power supply
- Visual operation status indicators on front of power supply
- Internal electronics sealed from environmental hazards



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240V AC 3-Phase w
additional features



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480V AC 3-Phase w
additional features

S8VK-WB: 480 VAC 3-Phase Supply



Specifications:

- Three-Phase
- Input voltage: 380-480 VAC
- Output voltage: 24, 48 VDC
- Power Rating : 240, 480, 960 Watts
- Current Rating : 10, 20, 40 Amps
- Operating Temperature: -40°C to 70°C
- Vibration Resistance : 5G
- Power Boost 150%
- Push-In plus termination
- Minimum Life Expectancy: 10 yrs.
- UL Listed, Over-voltage and over-current protection
- 480VAC 3-phase power supply, full featured
- Visual operation status indicators on front of power supply
- Internal electronics sealed from environmental hazards



S8VK-R: Redundancy

Specifications:

- Single Phase
- Input voltage: 5-30 VDC, 10-60 VDC
- Output voltage: 24, 48 VDC
- Power Rating : 240, 480, 960 Watts
- Current Rating : 10, 20 Amps
- Operating Temperature: -40°C to 70°C
- Vibration Resistance : 5G
- Power Boost 120%
- Minimum Life Expectancy: 10 yrs.
- UL Listed,
- Over-voltage and over-current protection
- General Purpose 240VAC 3-phase power supply
- Redundancy LED showing LED status, signal output for power supply failure detection



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Redundancy and failure detection features



S8BA: Uninterruptable Power Supply (UPS)

Specifications:

- Input voltage: 24 VDC
- Output voltage: 24 VDC
- Power Capacity: 120W, 240W, 360W, 480Watts
 - (400w for use as UL compliant device)
- Operating Temperature: 0°C to 55°C
- Vibration Resistance : 3G
- Standards: UL 508/CE/C22.2
- Minimum Life Expectancy: 10yrs @ 25C
- Replaceable Li-ion battery pack
- Used to allow safe shutdown of electronics in event of power loss



Click on picture to link to datasheet
UPS for loss of power
situations



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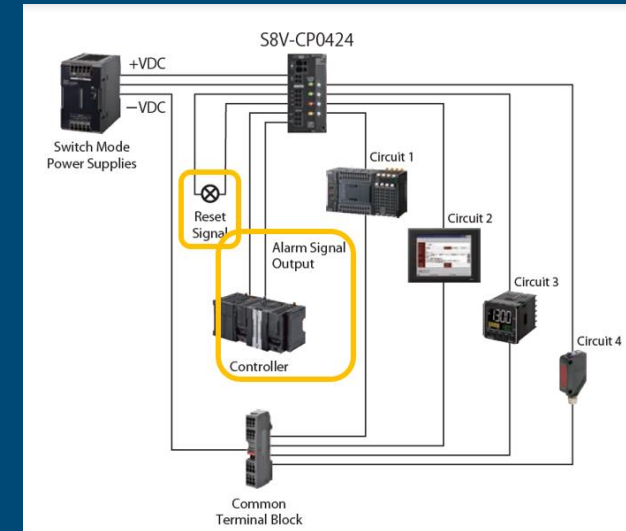
Current Circuit Protection

S8V-CP: 24 VDC Circuit Protector



Specifications:

- Input voltage: 24 VDC
- Output Channels: 4 or 8
- Input Current: Up to 40 amps
- Output Current : Up to 10 amps per channel, 3.8A (UL Class 2)
- Operating Temperature: -25°C to 70°C
- Vibration Resistance : 5G
- Minimum Life Expectancy: 10 years
- Ratings: UL 508, UL 2367, CE/EN 61000-6-2/-3
- Current Tripping function: 2Amps - 10Amps
- Current Circuit Protection Device





S8V-NF: Noise Filter

Specifications:

- Single phase AC/DC input
- Input voltage: 250VAC/VDC
- Rated Current: 3A, 6A
- Operating Temperature: -40°C to 85°C
- Vibration Resistance : 5G
- Minimum Life Expectancy: 10 yrs.
- Standards: UL /EN 60939, CSA C22.2. IP20 rated
- Noise Attenuation: 150kHz to 1MHz, 25dB min attenuation



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Noise
attenuation/reduction

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