

Switch Mode Power Supply

S8VK-G (15/30/60/120/240/480-W Models)

Reliable and Easy Operation-Worldwide Power Supply Resistant in tough environments Easy and fast installation

The most compact class on the market

- Universal input for worldwide applications: 100 to 240 VAC (85 to 264 VAC)
- DC input can be available: 90 to 350 VDC
- Possible for 2-phase input usage.
- Wide operation temperature range: -40 to 70 °C
- Power Boost function at 120%
- Safety standards:

UL508/62368-1, CSA C22.2 No. 107.1/62368-1 EN50178, EN62368-1.

Lloyd's standards, EN60204-1 PELV Safety of Power Transformers: EN61558-2-16

- 15-W,30-W, and 60-W models conform to UL Class 2 output Standards
- EMS: EN 61204-3

EMI: EN 61204-3 Class B

Five years Warranty













 \triangle

Refer to Safety Precautions for All Power Supplies and Safety Precautions on page 17.



Related Products

Noise Filter S8V-NF



Note: Refer to the S8V-NF Datasheet (Cat. No. T212) for details.

DC Electronic Circuit Protector S8V-CP





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

S8VK-G

Model Number Structure

Model Number Legend

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

1. Input voltage type

G: Single phase

2. Power Ratings 015: 15 W 030: 30 W 060: 60 W

> 120: 120 W 240: 240 W 480: 480 W

3. Output voltage (VDC)

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

48: 48 V

4. Option

None: Standard model 400: Coationg

Ordering Information

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

Power ratings	Input voltage	Output Voltage (VDC)	Output current	Boost Current	Model number
		5 V	3 A	3.6 A	S8VK-G01505
15 W		12 V	1.2 A	1.44 A	S8VK-G01512
		24 V	0.65 A	0.78 A	S8VK-G01524
		5 V	5 A	6 A	S8VK-G03005
30 W		12 V	2.5 A	3 A	S8VK-G03012
	Single phase	24 V	1.3 A	1.56 A	S8VK-G03024
20.14	100 to 240 VAC	12 V	4.5 A	5.4 A	S8VK-G06012
60 W	90 to 350 VDC	24 V	2.5 A	3 A	S8VK-G06024
120 W		24 V	5 A	6 A	S8VK-G12024
240 W		24 V	10 A	12 A	S8VK-G24024
240 W		48 V	5 A	6 A	S8VK-G24048
400 \44		24 V	20 A	24 A	S8VK-G48024
480 W		48 V	10 A	12 A	S8VK-G48048

Specifications

Ratings, Characteristics, and Functions

		Power rating		15 W			30 W	
Item		Output voltage (VDC)	5 V	12 V	24 V	5 V	12 V	24 V
Efficiency		230 VAC input *6	77% typ.	77% typ.	80% typ.	79% typ.	82% typ.	86% typ.
	Voltage range *1	•		to 264 VAC, 90 to		, ,,	,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Frequency *1		50/60 Hz (47 to 4	50 Hz)				
		115 VAC input *6	0.32 A typ.	0.3 A typ.	0.31 A typ.	0.5 A typ.	0.57 A typ.	0.58 A typ.
	Current	230 VAC input *6	0.2 A typ.	0.21 A typ.	0.2 A typ.	0.32 A typ.	0.37 A typ.	0.36 A typ.
Input	Power factor	230 VAC input, 100% load	0.42 min.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· //	0.43 min.	0.42 min.	0.43 min.
•		115 VAC input	0.14 mA typ.			0.13 mA typ.		
	Leakage current	230 VAC input	0.25 mA typ.			0.24 mA typ.		
	Inrush current *2 (for	115 VAC input	16 A typ			16 A typ		
	a cold start at 25°C)	230 VAC input	32 A typ.			32 A typ.		
	Rated output curre	•	3 A	1.2 A	0.65 A	5 A	2.5 A	1.3 A
	Boost current		3.6 A	1.44 A	0.78 A	6 A	3 A	1.56 A
	Voltage adjustment	t range *3		h V.ADJ) (guarant		1		1
	Ripple & Noise	100 to 240 VAC input,	60 mVp-p max. at 20	50 mVp-p max.at 20	30 mVp-p max. at 20	30 mVp-p max. at 20	30 mVp-p max. at 20	30 mVp-p max. at 20
	voltage *4	100% load *6	MHz of bandwidth	MHz of bandwidth	MHz of bandwidth	MHz of bandwidth	MHz of bandwidth	MHz of bandwidth
	Input variation influ	ience *8	0.4% max.			0.4% max.		
Output	Load variation influ		0.8% max.			0.8% max.		
	Temperature variation influence 115 to 230 VAC input 115 VAC input *6		0.05%/°C max.			0.05%/°C max.		
		115 VAC input *6	530 ms typ.	520 ms typ.	580 ms typ.	550 ms typ.	550 ms typ.	600 ms typ.
	Start up time *2	230 VAC input *6	330 ms typ.	400 ms typ.	400 ms typ.	430 ms typ.	490 ms typ.	480 ms typ.
		115 VAC input *6	28 ms typ.	29 ms typ.	32 ms typ.	33 ms typ.	36 ms typ.	23 ms typ.
	Hold time *2	230 VAC input *6	134 ms typ.	138 ms typ.	134 ms typ.	177 ms typ.	170 ms typ.	154 ms typ.
	Overload protection		Yes, automatic re			Yes, automatic re	1	
	Overvoltage protect		,		oltage, power shut o			the input again)
Additional	Series operation Yes (For up to two Power Supplies, external diodes are required.)		ronago ana tam on	ano input again,				
functions	Parallel operation					<u> </u>		
	Output indicator		,		to 90% or more of			
	- Carpar maioaioi		, ,		ut terminals and ou		rent cutoff 20 mA	
	Withstand voltage			<u> </u>	ut terminals and PE			
Insulation				· ·	put terminals and F	, ·		
	Insulation resistance	ce		<u>'</u>	minals and all input			
	Ambient operating		,		ling to the temperatur			ndensation or icing)
	Storage temperatur		· ·	no condensation of		<u> </u>	3, (3,
Environment	Ambient operating		, i	ge humidity: 0% to	<u> </u>			
	Vibration resistanc	· · · · · · · · · · · · · · · · · · ·	,	• •	le for 2 h each in X	Y and 7 direction	9	
	Shock resistance	<u> </u>		each in ±X, ±Y, ar		, and 2 and and		
	MTBF		135,000 hrs min.					
Reliability	Life expectancy *9		10 years min.					
	Weight		150 g max.			195 g max.		
Construction	Cooling fan		No			. 30 gax.		
22	Degree of protection	on	IP20 by EN/IEC 6	0529				
	Harmonic current e		Conforms to EN 6					
		Conducted Emissions		31204-3 Class B, E	N 55011 Class B			
	EMI	Radiated Emissions		31204-3 Class B, E				
	EMS			31204-3 high sever				
Standards	Approved Standard	ds	UL Listed: UL 508 UL UR: UL 62368	B (Listing, Class2 C I-1 (Recognition) No.107.1 (Class2 C No.62368-1	ny leveis Dutput: Per UL 1310 Dutput: Per CSA C2			
	Conformed Standa	rds	PELV (EN 60204- EN 61558-2-16	-1, EN 50178) / 2011, TR CU 020	0 / 2011)			
	Marine Standards		Lloyd's register *					
			-, 9.0.01					

- *1. Do not use an inverter output for the Power Supply. Inverters with an output frequency of 50/60 Hz are available, but the rise in the internal temperature of the Power Supply

*1. Do not use an inverter output for the Power Supply. Inverters with an output frequency of 50/60 Hz are available, but the rise in the internal temperature of the Power Supply may result in ignition or burning.
*2. For a cold start at 25°C. Refer to *Engineering Data* on page 9 to 11 for details.
*3. If the output voltage adjuster (V. ADJ) is turned, the voltage will increase by more than +15% of the voltage adjustment range. When adjusting the output voltage, confirm the actual output voltage from the Power Supply and be sure that the load is not damaged.
*4. A characteristic when the ambient operating temperature is between −25 to 70°C.
*5. Refer to *Overvoltage Protection* on page 10 for the time when input voltage shuts off and input turns on again.
*6. The value is when both rated output voltage and rated output current are satisfied.
*7. 100 to 240 VAC input, in the range of 0 A to the rated output current.
*8. This is the maximum variation in the output voltage when the input voltage is gradually changed within the allowable input voltage range at the rated output voltage and rated output current.
*9. Refer to *Recommended Replacement Periodis and Periodic Replacement for Preventive Maintenance* on page 23 for details.
*10. Safety Standards for a DC Input
The following safety standards apply to a DC input: UL 62368-1, cUR (CSA C22.2 No. 62368-1), EN 50178, EN 62368-1, and Lloyd's. For a DC input, safety is ensured by an external fuse.
Select an external fuse that meets the following conditions.
S8VK-G015□□□: 350 VDC min, 3 A
*11. Clamp filter "ZCAT2035-0930" manufactured by SCHAFFNER Corporation. or equivalent should be connected to the input - output terminals of S8VK-G series.
*12.At −40 to −25°C, time will be required before the rated output voltage is output after the input voltage is input. Also, the ripple noise value may exceed the value shown in the above tabl

S8VK-G

	_		* * * * * * * * * * * * * * * * * * * *	120 W
	Output voltage (VDC)	12 V	24 V	24 V
	230 VAC input *6			89% typ.
Voltage range *1		Single-phase, 85 to 264 VAC	C, 90 to 350 VDC *10	
Frequency *1		50/60 Hz (47 to 450 Hz)		50/60 Hz (47 to 63 Hz)
Current	115 VAC input *6	1.0 A typ.	1.1 A typ.	1.3 A typ.
Current	230 VAC input *6	0.6 A typ.	0.7 A typ.	0.7 A typ.
Power factor	230 VAC input, 100% load	0.46 min.	0.45 min.	0.94 min.
I aaleana aumant	115 VAC input	0.16 mA typ.		0.24 mA typ.
Leakage current	230 VAC input	0.30 mA typ.		0.38 mA typ.
Inrush current *2 (for	115 VAC input	16 A typ.		16 A typ.
a cold start at 25°C)	230 VAC input	32 A typ.		32 A typ.
Rated output currer	nt	4.5 A	2.5 A	5 A
•		5.4 A	3 A	6 A
	range *3			
Ripple & Noise	100 to 240 VAC input, 100% load *6	150 mVp-p max.	50 mVp-p max.	150 mVp-p max. at 20 MHz of bandwidth
	ence *8	0.4% max.		0.4% max.
•		2 11 21		0.8% max.
Temperature variation influence	115 to 230 VAC input	0.05%/°C max.		0.05%/°C max.
	115 VAC input *6	570 ms typ.	650 ms typ.	790 ms typ.
Start up time *2	•	• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·	750 ms typ.
		, ' ·	· · · · · · · · · · · · · · · · · · ·	42 ms typ.
Hold time *2	•	· · · · · · · · · · · · · · · · · · ·		42 ms typ.
Overload protection	•		120 me typ.	Yes, automatic reset
		· ·	itnut voltage, nower shut off (shut off th	, , , , , , , , , , , , , , , , , , ,
	1011 40			
•		'	** *	
		,	,	
Output indicator		, ,, ,		•
Withstand voltage		,		**
Willistand Voltage		,	•	**
Inculation registers		,	·	*
		,	· · · · · · · · · · · · · · · · · · ·	,
		`		ngineering Data) (with no condensation of icin
		`	6,	
	•	` ` `		
	•		•	ections
			£1, ±Z directions	
		,		
				620 g max.
		•		020 y max.
	n			
		,		
			s B. EN 55011 Class B	
EMI	Radiated Emissions	Conforms to EN 61204-3 Class		
			. ,	
EMS	nadiated Lillissions	Conforms to EN 61204-3 high	severity levels	
EMS Approved Standard		UL UR: UL 62368-1 (Recogniti	60 W only Class2 Output: Per UL 13 on) r 60 W only Class2 Output: Per CSA 0	,
	s	UL Listed: UL 508 (Listing, For UL UR: UL 62368-1 (Recognitic CUL: CSA C22.2 No.107.1 (Foc UR: CSA C22.2 No.62368-1 EN/VDE: EN 50178, EN 62368-1 EN/VDE: EN 50178, EN 50178 EN 61558-2-16 EAC (TR CU 004 / 2011, TR C	60 W only Class2 Output: Per UL 13 on) r 60 W only Class2 Output: Per CSA (,
Approved Standard	s	UL Listed: UL 508 (Listing, For UL UR: UL 62368-1 (Recogniti cUL: CSA C22.2 No.107.1 (Fo cUR: CSA C22.2 No.62368-1 EN/VDE: EN 50178, EN 62368 PELV (EN 60204-1, EN 50178 EN 61558-2-16	60 W only Class2 Output: Per UL 13 on) r 60 W only Class2 Output: Per CSA (,
	Current Power factor Leakage current Inrush current *2 (for a cold start at 25°C) Rated output currer Boost current Voltage adjustment Ripple & Noise voltage *4 Input variation influ Load variation influ Temperature variation influence Start up time *2 Overload protection Overload protection Overvoltage protect Series operation Parallel operation Output indicator Withstand voltage Insulation resistance Ambient operating I Storage temperatur Ambient operating I Vibration resistance Shock resistance MTBF Life expectancy *9 Weight Cooling fan Degree of protectio Harmonic current e	Voltage range *1 Frequency *1 Current	Voltage range *1	230 VAC input *8 85% typ. 88% typ.

*1. Do not use an inverter output for the Power Supply. Inverters with an output frequency of 50/60 Hz are available, but the rise in the internal temperature of the Power Supply

- *1. Do not use an inverter output for the Power Supply. Inverters with an output frequency of 50/60 Hz are available, but the rise in the internal temperature of the Power Supply may result in ignition or burning.
 *2. For a cold start at 25°C. Refer to *Engineering Data* on page 9 to 11 for details.
 *3. If the output voltage adjuster (V. ADJ) is turned, the voltage will increase by more than +15% of the voltage adjustment range. When adjusting the output voltage, confirm the actual output voltage from the Power Supply and be sure that the load is not damaged.
 *4. A characteristic when the ambient operating temperature is between −25 to 70°C.
 *5. Refer to *Overvoltage Protection* on page 10 for the time when input voltage shuts off and input turns on again.
 *6. The value is when both rated output voltage and rated output current are satisfied.
 *7. 100 to 240 VAC input, in the range of 0 A to the rated output current
 *8. This is the maximum variation in the output voltage when the input voltage is gradually changed within the allowable input voltage range at the rated output voltage and rated output current.
 *9. Refer to *Recommended Replacement Periods and Periodic Replacement for Preventive Maintenance* on page 23 for details.
 *10. Safety Standards for a DC Input
 The following safety standards apply to a DC input: UL 62368-1, cUR (CSA C22.2 No. 62368-1), EN 50178, EN 62368-1, and Lloyd's. For a DC input, safety is ensured by an external fuse.
 Select an external fuse that meets the following conditions.
 S8VK-G000□: 350 VDC min, 5 A
 *11.Clamp filter "ZCAT2035-0930" manufactured by TDK Corporation. or equivalent should be installed in the cable connected to the input output terminals of S8VK-G series.
 *12.At -40 to -25°C, time will be required before the rated output voltage is output after the input voltage is input.
 Also, the ripple noise value may exceed the value sh

		Power rating	24	0 W	48	0 W
Item		Output voltage (VDC)	24 V	48 V	24 V	48 V
Efficiency		230 VAC input *6	92% typ.		93% typ.	-
	Voltage range *1		Single-phase, 85 to 264	VAC, 90 to 350 VDC *10		
	Frequency *1		50/60 Hz (47 to 63 Hz)			
		115 VAC input *6	2.4 A typ.		4.7 A typ.	
	Current	230 VAC input *6	1.3 A typ.		2.3 A typ.	
Input	Power factor	230 VAC input, 100% load	0.9 min.		0.97 min.	
·		115 VAC input	0.23 mA typ.		0.3 mA typ.	
	Leakage current	230 VAC input	0.33 mA typ.		0.49 mA typ.	
	Inrush current *2 (for	115 VAC input	16 A typ.		16 A typ.	
	a cold start at 25°C)	230 VAC input	32 A typ.		32 A typ.	
	Rated output currer	•	10 A	5 A	20 A	10 A
	Boost current	<u> </u>	12 A	6 A	24 A	12 A
	Voltage adjustment	range #3	-10% to 15% (with V.AD			
	Ripple & Noise	100 to 240 VAC input,	180 mVp-p max.	350 mVp-p max.	230 mVp-p max.	470 mVp-p max.
	voltage *4	100 to 240 VAC input,	at 20 MHz of bandwidth	at 20 MHz of bandwidth	at 20 MHz of bandwidth	at 20 MHz of bandwidth
	Input variation influ		0.4% max.	at 20 mm iz or barramatir	0.4% max.	at 20 mm iz or barramati
Output	Load variation influ		0.8% max.		0.8% max.	
		115 to 230 VAC input	0.05%/°C max.		0.05%/°C max.	
	porataro variation mindence	115 VAC input *6	250 ms typ.	290 ms typ.	380 ms typ.	
	Start up time *2	230 VAC input *6	250 ms typ.	290 ms typ.	260 ms typ.	
		115 VAC input *6	44 ms typ.	43 ms typ.	40 ms typ.	
	Hold time *2	230 VAC input *6		45 ms typ.	50 ms typ.	
	Overland mustanting	•	44 ms typ.		, , , , , , , , , , , , , , , , , , ,	
	Overload protection		Yes, automatic reset	d	Yes, automatic reset	
Additional	Overvoltage protect	tion *5			off (shut off the input voltage	and turn on the input again)
functions	Series operation		' '	r Supplies, external diodes	' '	
	Parallel operation			cautions) (For up to two Po		
	Output indicator			g from 80% to 90% or mo		
					d output terminals), curren	
Insulation	Withstand voltage		,	'	d PE terminals), current cu	
			1.0 kVAC for 1 min. (betw	veen all output terminals a	nd PE terminals), current o	cutoff 20 mA
	Insulation resistance	e	100 M Ω min. (between a	ll output terminals and all i	nput terminals/PE termina	ls) at 500 VDC
	Ambient operating	temperature *12	-40 to 70 °C (Derating is requir	ed according to the temperature.	Refer to Engineering Data) (with	no condensation or icing)
	Storage temperatur	е	-40 to 85°C (with no con-	densation or icing)		
Environment	Ambient operating	humidity	0% to 95% (Storage hum	idity: 0% to 95%)		
	Vibration resistance	9	10 to 55 Hz, 0.375 mm h	alf amplitude for 2 h each	in X, Y, and Z directions	
	Shock resistance		150 m/s2, 3 times each in	±X, ±Y, ±Z directions		
Daliabiliba	MTBF		135,000 hrs min.			
Reliability	Life expectancy *9		10 years min.			
	Weight		900 g max.		1,500 g max.	
Construction	Cooling fan		No			
	Degree of protectio	n	IP20 by EN/IEC 60529			
	Harmonic current e	missions	Conforms to EN 61000-3	-2		
		Conducted Emissions	Conforms to EN 61204-3	Class B, EN 55011 Class	В	
	EMI	Radiated Emissions		Class B, EN 55011 Class	_	
	EMS		Conforms to EN 61204-3			
Standards	Approved Standard	s	UL Listed: UL 508 (Listin: UL UR: UL 62368-1 (Rec CUL: CSA C22.2 No.107. CUR: CSA C22.2 No.623 EN/VDE: EN 50178, EN	g) ognition) 1 68-1		
	Conformed Standar	rds	PELV (EN 60204-1, EN 5 EN 61558-2-16 EAC (TR CU 004 / 2011, RCM (EN61000-6-4)	50178)		
	Marine Standards		Lloyd's register *10 *11			
			Conforms to F47-0706 (2			

- \$1. Do not use an inverter output for the Power Supply. Inverters with an output frequency of 50/60 Hz are available, but the rise in the internal temperature of the Power Supply may result in ignition or burning.

 \$2. For a cold start at 25°C. Refer to Engineering Data on page 9 to 11 for details.

 \$3. If the output voltage adjuster (V. ADJ) is turned, the voltage will increase by more than +15% of the voltage adjustment range. When adjusting the output voltage, confirm the actual output voltage from the Power Supply and be sure that the load is not damaged.

 \$4. A characteristic when the ambient operating temperature is between -25 to 70°C.

 \$5. Refer to Overvoltage Protection on page 10 for the time when input voltage shuts off and input turns on again.

 \$6. The value is when both rated output voltage and rated output current are satisfied.

 \$7. 100 to 240 VAC input, in the range of 0 A to the rated output current are satisfied.

 \$7. 100 to 240 VAC input, in the range of 0 A to the rated output current are satisfied.

 \$7. 100 to 240 VAC input, in the range of 0 A to the rated output current are satisfied.

 \$7. 100 to 240 VAC input, in the range of 0 A to the rated output current are satisfied.

 \$7. 100 to 240 VAC input, in the range of 0 A to the rated output current are satisfied.

 \$7. 100 to 240 VAC input, in the rated output voltage is gradually changed within the allowable input voltage range at the rated output voltage and rated output current.

 \$8. This is the maximum variation in the output voltage is gradually changed within the allowable input voltage range at the rated output voltage and rated output current.

 \$9. Refer to Recommended Replacement Periods and Periodic Replacement for Preventive Maintenance on page 23 for details.

 \$10. Safety Standards for a DC Input

 The following safety standards apply to a DC input: UL 62368-1, cUR (CSA C22.2 No. 62368-1), EN 50178, EN 62368-1, and Lloyd's.

 For a DC input, safety is ensured by an external fuse.

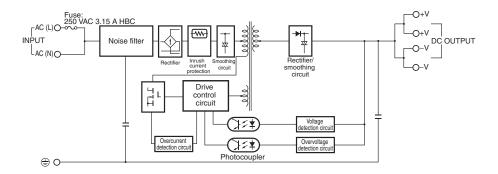
 Select an external fuse that meets the following c
 - Also, the ripple noise value may exceed the value shown in the above table.

S8VK-G

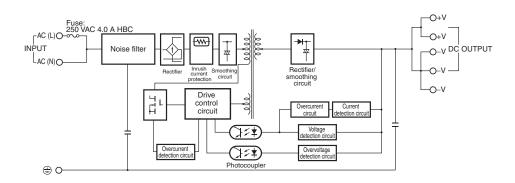
Connections

Block Diagrams

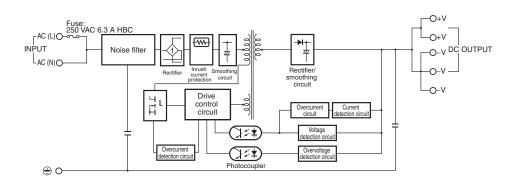
S8VK-G015□□ (15 W)



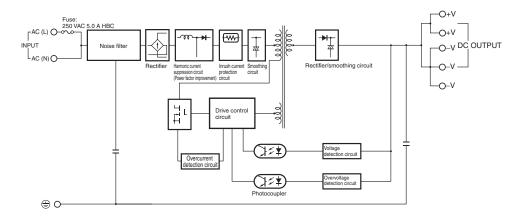
S8VK-G030□□ (30 W)



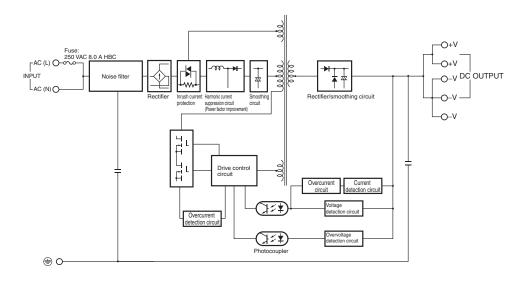
S8VK-G060□□ (60 W)



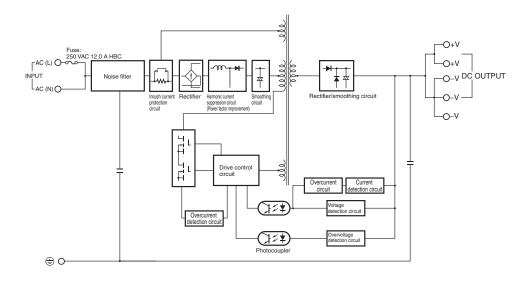
S8VK-G12024 (120 W)



S8VK-G240□□ (240 W)



S8VK-G480□□ (480 W)

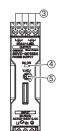


Construction and Nomenclature

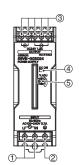
Nomenclature

15-W Models

S8VK-G015

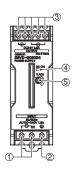


30-W Models S8VK-G030□□



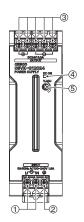
60-W Models

S8VK-G060□□

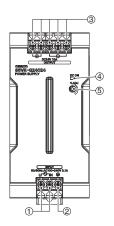


120-W Models

S8VK-G12024

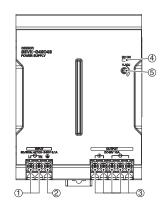


240-W Models S8VK-G240□□



480-W Models

S8VK-G480□□



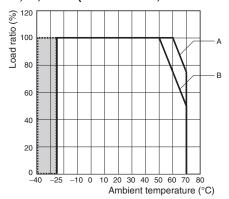
No.	Name	Function
1	Input terminals (L), (N)	Connect the input lines to these terminals. *1
2	Protective Earth terminal (PE)	Connect the ground line to this terminal. *2
3	DC Output terminals (-V), (+V)	Connect the load lines to these terminals.
4	Output indicator (DC ON: Green)	Lights while a direct current (DC) output is ON.
5	Output voltage adjuster (V.ADJ)	Use to adjust the voltage.

- *1. The fuse is located on the (L) side. It is not user-replaceable. For a DC input, connect the positive voltage to the L terminal.
 *2. This is the protective earth terminal specified in the safety standards. Always ground this terminal.

Engineering Data

Derating Curve

15, 30, 240 W (S8VK-G015□□, S8VK-G030□□, S8VK-G240□□)



Note: 1. At less than 90 VAC, the derating is 2.5%/V

2. For a DC power input, reduce the load given in the above derating curve by multiplying the following coefficients.

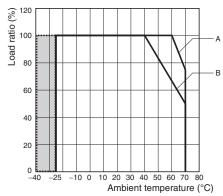
S8VK-G015□: 1.0 S8VK-G030□: 0.9 S8VK-G240□: 0.8

3. This is the guaranteed value for startup.

A. Standard mounting

B. Face-up mounting / Side mounting (15W only)

60 W (S8VK-G060□□)



Note: 1. At less than 90 VAC, the derating is 2.5%/V

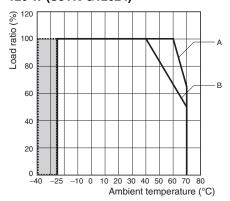
 For a DC power input, reduce the load given in the above derating curve by multiplying the following coefficients. S8VK-G060□□: 0.9

3. This is the guaranteed value for startup.

A. Standard mounting

B. Face-up mounting

120 W (S8VK-G12024)



Note: 1. At less than 90 VAC, the derating is 2.5%/V

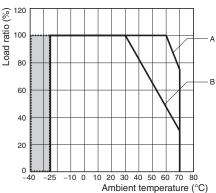
 For a DC power input, reduce the load given in the above derating curve by multiplying the following coefficients. S8VK-G12024: 0.9

3. This is the guaranteed value for startup.

A. Standard mounting

B. Face-up mounting

480 W (S8VK-G480□□)



Note: 1. At less than 90 VAC, the derating is 2.5%/V

 For a DC power input, reduce the load given in the above derating curve by multiplying the following coefficients. S8VK-G480

: 0.8

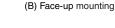
3. This is the guaranteed value for startup.

A. Standard mounting

B. Face-up mounting

Mounting

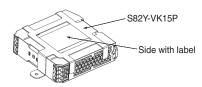
(A) Standard (Vertical) mounting







(C) Side mounting only for 15 W



Side mounting is only for S8VK-G015□□.

Use a mounting bracket (S82Y-VK15P, sold separately) when the product is mounted horizontally.

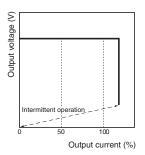
Heat dissipation will be adversely affected. When the product is mounted facing horizontally, always place the side with label facing upward.

Overload Protection

The load and the power supply are automatically protected from overcurrent damage by this function.

Overload protection is activated if the output current rises above 121% of the rated current.

When the output current returns within the rated range, overload protection is automatically cleared.



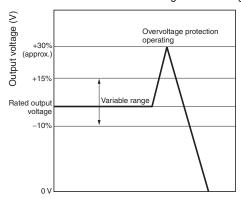
The values shown in the above diagrams are for reference only.

Note: 1. Internal parts may occasionally deteriorate or be damaged if a short-circuited or overcurrent state continues during operation.

 Internal parts may possibly deteriorate or be damaged if the Power Supply is used for applications with frequent inrush current or overloading at the load end. Do not use the Power Supply for such applications.

Overvoltage Protection

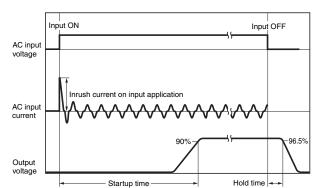
Consider the possibility of an overvoltage and design the system so that the load will not be subjected to an excessive voltage even if the feedback circuit in the Power Supply fails. If an excessive voltage that is approximately 130% of the rated voltage or more is output, the output voltage is shut OFF. Reset the input power by turning it OFF for at least three minutes and then turning it back ON again.



The values shown in the above diagram is for reference only.

Note: Do not turn ON the power again until the cause of the overvoltage has been removed.

Inrush Current, Startup Time, Output Hold Time



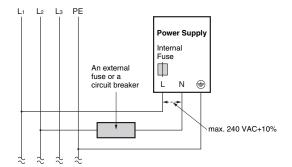
Note: Twice the input current or above will flow during the parallel operation or redundant system.

Therefore, check the fusing characteristics of fuses and operating characteristics of breakers making sure that the external fuses will not burn out and the circuit breakers will not be activated by the inrush current.

Two phases application for Single phase models For All Single phase Models, S8VK-G

Basically OMRON single phase power supply can be used on twophases of a 3–phase-system when some of conditions satisfy like below.

- The supplying voltage is below the maximum rated input. OMRON Power supply allows the input voltage equivalent or less than 240 VAC+10%.
 - Please confirm the input voltage between two lines if the input voltage satisfies this condition before connecting.
- The external protector is needed on N input line to secure a safety. N line has no protection of a fuse internally. An appropriate fuse or circuit breaker should be connected on N input line like the following.



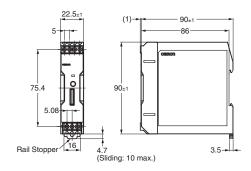
Reference Value

Reference valu	<u> </u>
	Value
Reliability (MTBF)	Single phase model 15 W: 600,000 hrs 30 W: 580,000 hrs 60 W: 590,000 hrs 120 W: 450,000 hrs 240 W: 360,000 hrs 480 W: 230,000 hrs
Definition	MTBF stands for Mean Time Between Failures, which is calculated according to the probability of accidental device failures, and indicates reliability of devices. Therefore, it does not necessarily represent a life of the product.
Life expectancy	10 yrs. Min.
Definition	The life expectancy indicates average operating hours under the ambient temperature of 40°C and a load rate of 50%. Normally this is determined by the life expectancy of the built-in aluminum electrolytic capacitor.

Dimensions (Unit: mm)

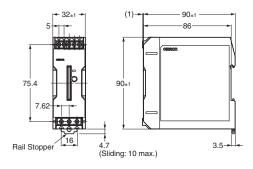
S8VK-G015□□ (15 W)





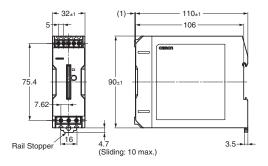
S8VK-G030□□ (30 W)





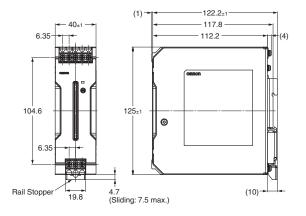
S8VK-G060□□ (60 W)





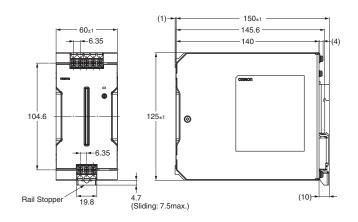
S8VK-G12024 (120 W)





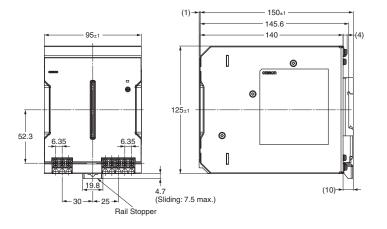
S8VK-G240□□ (240 W)





S8VK-G480□□ (480 W)



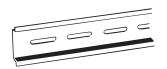


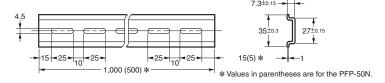
DIN Rail (Order Separately)

Note: All units are in millimeters unless otherwise indicated.

Mounting Rail (Material: Aluminum)

PFP-100N PFP-50N

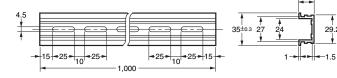




Mounting Rail (Material: Aluminum)

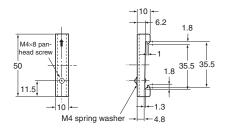
PFP-100N2





End Plate PFP-M





Note: If there is a possibility that the Unit will be subject to vibration or shock, use a steel DIN Rail. Otherwise, metallic filings may result from aluminum abrasion.

Mounting Brackets

Name	Model
Front-mounting bracket (for 15, 30 and 60 W models)	S82Y-VS10F
Front-mounting bracket (for 120, 240 and 480 W models)	S82Y-VK10F
Side-mounting bracket (for 15 W models)	S82Y-VK15P
Side-mounting bracket (for 30 and 60 W models)	S82Y-VS10S
Side-mounting bracket (for 120 W models)	S82Y-VK10S
Side-mounting bracket (for 240 W models)	S82Y-VK20S

Note: Be sure to use the accessory screws.

Mounting screw tightening torque (recommended): 4.43 to 5.31 lb-in (0.5 to 0.6 N·m)

Туре	Model	Dimensions	Appearance
Front-mounting bracket (For 15, 30 and 60 W models)	S82Y-VS10F	4.5 dia.±0.1 4.5 dia.±0.1 7.3 10 t = 1.0	
Front-mounting bracket (For 120, 240 and 480 W models)	S82Y-VK10F	140±0.1 0 0 0 140±0.1 150 4.5 dia.±0.1 15.4 t = 2.0	(For 120 W types) (For 240 W types)
Side-mounting bracket (For 15 W Models)	S82Y-VK15P	$\begin{array}{c} 0.5 \\ 12.5 \\ 12.5 \\ 15 \end{array}$ $\begin{array}{c} 0.5 \\ 15 \end{array}$	Right-side mounting

Туре	Model	Dimensions	Appe	arance
Side-mounting bracket (For 30 and 60 W models)	S82Y-VS10S	4.5 dia.±0.1 4.5 dia.±0.1 60±0.1 55±0.1 13	Left-side mounting	Right-side mounting
			Left-side mounting	Right-side mounting
Side-mounting bracket (For 120 W models)	S82Y-VK10S	73 -50±0.1 -15.5±0.1 -4.5 dia.±0.1 -4.5 dia.±0.1 -50±0.1 -15.5±0.1 -50±0.1 -	Left-side mounting (DIN Rail) *	Right-side mounting (DIN Rail) *
Side-mounting bracket	S82Y-VK20S	t = 2.0	Left-side mounting	Right-side mounting
(For 240 W models)	3021-VIA203	t = 2.0	Left-side mounting (DIN Rail) *	Right-side mounting (DIN Rail) *

^{*}You can mount the side of the Power Supply to a DIN Rail by removing the DIN Rail Back-mounting Bracket and then attaching a Side-mounting Bracket to the Power Supply.

Safety Precautions

Warning Indications

CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or in property damage.
Precautions for Safe Use	Supplementary comments on what to do or avoid doing, to use the product safely.
Precautions for Correct Use	Supplementary comments on what to do or avoid doing, to prevent failure to operate, malfunction or undesirable effect on product performance.

Meaning of Product Safety Symbols



Used to warn of the risk of electric shock under specific conditions.



Used to warn of the risk of minor injury caused by high temperatures.



Used for general mandatory action precautions for which there is no specified symbol.



Use to indicate prohibition when there is a risk of minor injury from electrical shock or other source if the product is disassembled.

∕!\CAUTION

Minor electric shock, fire, or Product failure may occasionally occur. Do not disassemble, modify, or repair the Product or touch the interior of the Product.



Minor burns may occasionally occur. Do not touch the Product while power is being supplied or immediately after power is turned OFF.



Fire may occasionally occur. Tighten terminal screws to the specified torque (0.5 to 0.6 N·m).



Minor injury due to electric shock may occasionally occur. Do not touch the terminals while power is being supplied. Always close the terminal cover after wiring.



Minor electric shock, fire, or Product failure may occasionally occur. Do not allow any pieces of metal or conductors or any clippings or cuttings resulting from installation work to enter the Product.



Precautions for Safe Use

Wiring

- Connect the ground completely. A protective earthing terminal stipulated in safety standards is used. Electric shock or malfunction may occur if the ground is not connected completely.
- Minor fire may possibly occur. Ensure that input and output terminals are wired correctly.
- Do not apply more than 75-N force to the terminal block when tightening it.
- Be sure to remove the sheet covering the Product for machining before power-ON so that it does not interfere with heat dissipation.
- Use the following material for the wires to be connected to the S8VK-G to prevent smoking or ignition caused by abnormal loads.

Recommended Wire Type/Cross-sectional Area and Stripping Length

	IN	PUT	OL	JTPUT		PE	Wire Stripping
Model	American Wire Gauge	Solid Wire /Stranded Wire	American Wire Gauge	Solid Wire /Stranded Wire	American Wire Gauge	Solid Wire /Stranded Wire	Wire Stripping Length
S8VK-G01505			AWG20 to 12	0.5 to 4 mm ² /0.5 to 2.5 mm ²			
S8VK-G01512	AWG24 to 12	0.25 to 4 mm ² /0.25 to 2.5 mm ²	AWG22 to 12	0.35 to 4 mm ² /0.35 to 2.5 mm ²			
S8VK-G01524			AWG24 to 12	0.25 to 4 mm ² /0.25 to 2.5 mm ²			
S8VK-G03005			AWG18 to 12	0.75 to 4 mm ² /0.75 to 2.5 mm ²	AWG14 to 12	2.5 to 4 mm ² /	
S8VK-G03012	AWG24 to 12	0.25 to 4 mm ² /0.25 to 2.5 mm ²	AWG20 to 12	0.5 to 4 mm ² /0.5 to 2.5 mm ²	AWG14 to 12	2.5 to 4 mm ²	
S8VK-G03024			AWG22 to 12	0.35 to 4 mm ² /0.35 to 2.5 mm ²			
S8VK-G06012	AWG22 to 12	0.35 to 4 mm ²	AWG18 to 12	0.75 to 4 mm ² /0.75 to 2.5 mm ²			8 to 10 mm
S8VK-G06024	AWG22 10 12	/0.35 to 2.5 mm ²	AWG20 to 12	0.5 to 4 mm ² /0.5 to 2.5 mm ²			
S8VK-G12024	AWG22 to 10	0.35 to 6 mm ² /0.35 to 4 mm ²	AWG18 to 10	0.75 to 6 mm ² /0.75 to 4 mm ²			
S8VK-G24024	- AWG20 to 10	0.5 to 6 mm ²	AWG14 to 10	2.5 to 6 mm ² /2.5 to 4 mm ²			
S8VK-G24048	AWG20 to 10	/0.5 to 4 mm ²	AWG18 to 10	0.75 to 6 mm ² /0.75 to 4 mm ²	AWG14 to 10	2.5 to 6 mm ² / 2.5 to 4 mm ²	
S8VK-G48024	AWG16 to 10	1.5 to 6 mm ²	AWG12 to 10	4 to 6 mm ² /4 mm ²			
S8VK-G48048	AWGIBIOIO	/1.5 to 4 mm ²	AWG14 to 10	2.5 to 6 mm ² /2.5 to 4 mm ²			

• The wire insertion hole, and applicable screwdriver of the terminal block are as follows.

Model		ertion Hole gram on the right)	Applicable Screwdriver			
	W	L	No.	Driver Diameter	Length	
S8VK-G01505						
S8VK-G01512	-					
S8VK-G01524	-					
S8VK-G03005	0.7		#1	2 E mm may	4.5 mm min.	
S8VK-G03012	- 2.7		#1	3.5 mm max.	4.5 11111 111111.	
S8VK-G03024	-					
S8VK-G06012	-	2.9				
S8VK-G06024	-					
S8VK-G12024		_				
S8VK-G24024	-					
S8VK-G24048	2.9		#2	4.9 mm max.	10 mm min.	
S8VK-G48024	1					
S8VK-G48048	1					

Recommended ferrules and Crimp Tools

Applicable wire		Ferrules	Ctrimming longth (mm)	Recommended ferrules		
(mm²)	(AWG)	Conduct length (mm)	Stripping length (mm) (Ferrules used)	Phoenix Contact product	Weidmuller product	Nichifu product
0.25	24	8	10	AI 0.25-8	H0.25/12	
		10	12	AI 0.25-10		
0.34	22	8	10	AI 0.34-8	H0.34/12	TE0.5-8
		10	12	AI 0.34-10		TE0.5-10
0.50	20	8	10	AI 0.5-8	H0.5/14	TE0.75-8
		10	12	AI 0.5-10		TE0.75-10
0.75	18	8	10	AI 0.75-8	H0.75/14	TE1.0-8
		10	12	AI 0.75-10		TE1.0-10
1.5	16	8	10	AI 1.5-8	H1.5/14	TE1.5-8
		10	12	AI 1.5-10		TE1.5-10
2.5	14	8	10	AI 2.5-8	H2.5/15	TE2.5-8
		10	12	AI 2.5-10		TE2.5-10
3.5	12	10	12	AI 4-10	H4.0/18	TE4.0-10
6	10	12	16	AI 6-12	H6.0/20	TE6.0-12
Recomm	nended crimp	tool		CRIMPFOX10S		

Note: 1. Make sure that the outer diameter of the wire is smaller than the inner diameter of the insulating sleeve of the recommended ferrule.

2. Make sure that the ferrule processing dimensions conform to the following figure.



AWG10





Installation Environment

- Do not use the Power Supply in locations subject to shocks or vibrations. In particular, install the Power Supply as far away as possible from contactors or other devices that are a vibration source. For usage onboard a ship, always attach an End Plate (PFP-M) to both sides of the Power Supply to hold the Power Supply in place.
- Install the Power Supply well away from any sources of strong, high-frequency noise and surge.

Operating Life

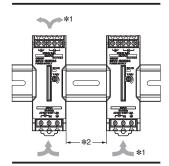
 The life of a Power Supply is determined by the life of the electrolytic capacitors used inside. Here, Arrhenius Law applies, i.e., the life will be cut in half for each rise of 10°C or the life will be doubled for each drop of 10°C. The life of the Power Supply can thus be increased by reducing its internal temperature.

Ambient Operating and Storage Environments

- Store the Power Supply at a temperature of –40 to 85°C and a humidity of 0% to 95%.
- Do not use the Power Supply in areas outside the derating curve otherwise, internal parts may occasionally deteriorate or be damaged.
- Use the Power Supply at a humidity of 0% to 95%.
- Do not use the Power Supply in locations subject to direct sunlight.
- Do not use the Power Supply in locations where liquids, foreign matter, or corrosive gases may enter the interior of Products.

Mounting

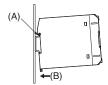
- Take adequate measures to ensure proper heat dissipation to increase the long-term reliability of the Product. Be sure to allow convection in the atmosphere around devices when mounting. Do not use in locations where the ambient temperature exceeds the range of the derating curve.
- When cutting out holes for mounting, make sure that cuttings do not enter the interior of the Products.



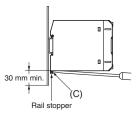
- *1. Convection of air
- *2. 20 mm min.
- Improper mounting will interfere with heat dissipation and may occasionally result in deterioration or damage of internal parts. Use the Product within the derating curve for the mounting direction that is used.
- Use a mounting bracket when the Product is mounted facing horizontally.
- Heat dissipation will be adversely affected. When the Product is mounted facing horizontally, always place the side with the label facing upward.

DIN Rail Mounting

To mount the Block on a DIN Rail, hook portion (A) of the Block onto the rail and press the Block in direction (B).



To dismount the Block, pull down portion (C) with a flat-blade screwdriver and pull out the Block.



Power Boost Function

For All Models

Power Boost is a function that can output the temporary repeated boost current larger than the rated current.

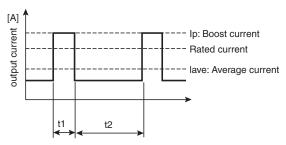
However, it should meet the following four Boost current conditions.

- 1. Time that the boost current flows: t1
- 2. The maximum value of the boost current: lp
- 3. The average output current: lave
- 4. The time ratio of the boost current flow: Duty

Note: Boost current conditions

- t1 ≤ 10 s
- Ip ≤ Rated boost current
- lave ≤ Rated current

Duty=
$$\frac{t1}{t1+t2} \times 100 \, [\%] \le 30\%$$



- Do not allow the boost current to continue for more than 10 seconds.
 Also, do not let the duty cycle exceed the boost current conditions.
 These conditions may damage the Power supply.
- Ensure that the average current of one cycle of the boost current does not exceed the rated output current.
 This may damage the Power Supply.
- Lessen the load of the boost load current by adjusting the ambient temperature and the mounting direction.

Overcurrent Protection

- Internal parts may possibly deteriorate or be damaged if a short-circuited or overcurrent state continues during operation.
- Internal parts may possibly deteriorate or be damaged if the Power Supply is used for applications with frequent inrush current or overloading at the load end. Do not use the Power Supply for such applications.
- The DC ON indicator (green) flashes if the overload protection function operates.

Charging a Battery

If you connect a battery as the load, install overcurrent control and overvoltage protection circuits.

Output Voltage Adjuster (V.ADJ)

- The output voltage adjuster (V.ADJ) may possibly be damaged if it is turned with unnecessary force. Do not turn the adjuster with excessive force.
- After completing output voltage adjustment, be sure that the output capacity or output current does not exceed the rated output capacity or rated output current.

Series Operation

Two power supplies can be connected in series.

AC (L) O O +V AC (N) O O +V AC (N) O O -V AC (N) O O -V

Note: 1. The diode is connected as shown in the figure. If the load is short-circuited, a reverse voltage will be generated inside the Power Supply. If this occurs the Power Supply may possibly deteriorate or be damaged. Always connect a diode as shown in the figure.

Select a diode having the following ratings.

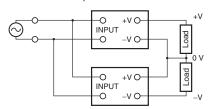
Туре	Schottky Barrier diode		
Dielectric strength (VRRM)	Twice the rated output voltage or above		
Forward current (IF)	Twice the rated output current or above		

Although Products having different specifications can be connected in series, the current flowing through the load must not exceed the smaller rated output current.

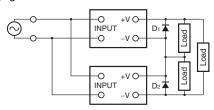
Making Positive/Negative Outputs

 The outputs are floating outputs (i.e., the primary circuits and secondary circuits are separated). You can therefore make positive and negative outputs by using two Power Supplies. You can make positive and negative outputs with any of the models.

If positive and negative outputs are used, connect Power Supplies of the same model as in the following figure. (Combinations with different output capacities or output voltages can be made. However, use the lower of the two maximum rated output currents as the current to the loads.)



 Depending on the model, internal circuits may be damaged due to startup failure when the power is turned ON if loads such as a servomotor or operational amplifier may operate in series.
 Therefore, connect bypass diodes (D1, D2) as shown in the following figure.



 Use the following information as a guide to the diode type, dielectric strength, and current.

Туре	Schottky Barrier diode	
Dielectric strength (VRRM)	Twice the rated output voltage or above	
Forward current (IF)	Twice the rated output current or above	

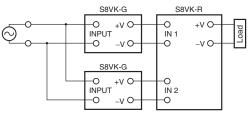
Parallel Operation

Parallel operation is used when the output current from one Power Supply is insufficient for the load. Power Supplies are connected in parallel to increase the output current.

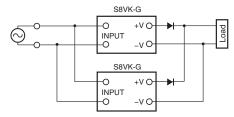
The parallel operation of S8VK-G is possible to increase the output power.

However please consider the following notes when the parallel operation must be done.

- 1. The range of ambient temperature for Parallel operation is –25 to 40°C.
- 2. Up to two of the same model can be connected in parallel.
- Adjust the output voltage difference of each Power Supply to 50 mV or less, using the output voltage adjuster (V. ADJ).
- 4. There is no current balancing function for S8VK-G. A high output voltage unit may work at overcurrent state and in this situation, a life of a Power Supply will be extremely short. After adjusting the output voltage, confirm the output current of the two Power Supplies balances.
- 5. Using the parallel operation will not satisfy UL1310 Class2 output.
- 6. For Parallel Operation, to balance the current of the each unit, the length and thickness of each wire connected to the load and each unit must be same as much as possible.
- 7. If you use the 15-W to 240-W S8VK-G in parallel operation, the output voltage may drop by several volts if the load changes rapidly (e.g., if the load starts or is disconnected). If operation becomes unstable, use the S8VK-R as shown in the diagram. Refer to the S8VK-R datasheet (Catalog No.: T059) for S8VK-R specifications and the model number for each capacity.



8. If you use the 480-W S8VK-G in parallel operation, the output voltage may drop by several volts if the load changes rapidly (e.g., if the load starts or is disconnected). If operation becomes unstable, connect a diode as shown in the diagram.



 Use the following information as a guide to the diode type, dielectric strength, and current.

Туре	Schottky Barrier diode	
Dielectric strength (VRRM)	Twice the rated output voltage or above	
Forward current (IF)	Twice the rated output current or above	

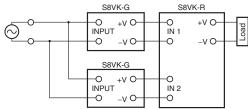
Backup Operation

Backup operation is possible if you use two Power Supplies of the same model.

Even if one Power Supplies fails, operation can be continued with the other Power Supply.

Make sure that the maximum load does not exceed the capacity of one Power Supply.

For backup operation, connect the S8VK-R as shown in the figure.



Refer to the S8VK-R datasheet (Catalog No.: T059) for S8VK-R specifications and the model number for each capacity.

In Case There Is No Output Voltage

The possible cause for no output voltage may be that the overcurrent or overvoltage protection has operated. The internal protection may operate if a large amount of surge voltage such as a lightening surge occurs while turning ON the power supply.

In case there is no output voltage, please check the following points before contacting us:

- Checking overload protected status:
 Check whether the load is in overload status or is short-circuited.
 Remove wires to load when checking.
- Checking overvoltage or internal protection:
 Turn the power supply OFF once, and leave it OFF for at least
 3 minutes. Then turn it ON again to see if this clears the condition.

Audible Noise at Power ON (120-W, 240-W, and 480-W Models)

A harmonic current suppression circuit is built into the Power Supply. This circuit can create noise when the input is turned ON, but it will last only until the internal circuits stabilize and does not indicate any problem in the Product.

Period and Terms of Warranty

Warranty Period

The Power Supply warranty is valid for a period of Five years from the date of shipment from the factory.

Terms of Warranty

The warranty is valid only for the following operating conditions.

- 1. Average ambient operating temperature of the Power Supply: 40°C max.
- 2. Average load rate of 80% max.
- 3. Mounting method: Standard mounting

Note: The maximum ratings must be within the derating curve.

If the Power Supply fails for reasons attributable to OMRON within the above warranty period, OMRON will repair or replace the faulty part of the Power Supply at the place of purchase or the place where the Power Supply delivered without charge.

This warranty does not cover the following types of failures.

- (1) Failures that result from handling or operation of the Power Supply under conditions or in environments that are not given in this document and not given in any other specifications exchanged between OMRON and the customer
- (2) Failures that originate in causes other than the delivered product itself
- (3) Failures caused by disassembly, modification, or repair of the Power Supply by anyone other than OMRON
- (4) Failures caused by applications or uses for which the Power Supply was not originally intended.
- (5) Failures caused by factors that could not be anticipated with the scientific or technical knowledge available when the Power Supply was shipped.
- (6) Failures caused by other causes for which OMRON is not responsible, such as natural disasters and other acts of God.

This warranty is limited to the individual Power Supply that was delivered and does not cover any secondary, subsequent, or related damages.

Recommended Replacement Periods and Periodic Replacement for Preventive Maintenance

The recommended replacement period for preventive maintenance is greatly influenced by the application environment of the Power Supply. As a guideline, the recommended replacement period is 7 to 10 years.*

S8VK-X is equipped with a replacement time calculation function, and the approximate number of years until replacement based on the ambient temperature and load rate can be checked via indicator (types with indication monitors only) or communication.

To prevent failures or accidents that can be caused by using a Power Supply beyond its service live, we recommend that you replace the Power Supply as early as possible within the recommended replacement period.

However, bear in mind that the recommended replacement period is for reference only and does not guarantee the life of the Power Supply.

Many electronic components are used in the Power Supply and the Power Supply depends on the correct operation of these components to achieve the original Power Supply functions and performance. However, the influence of the ambient temperature on aluminum electrolytic capacitors is large, and the service life is reduced by half for each 10°C rise in temperature (Arrhenius law). When the capacity reduction life of the electrolytic capacitor is reached, the Power Supply failures or accidents may occur. We therefore recommend that you replace the Power Supply periodically to minimize product failures or accidents in advance.

*The recommended replacement period applies under the following conditions: rated input voltage, load rate of 50% max., ambient temperature of 40°C max., and the standard mounting method.

This product model is designed with a service life of 10 years minimum under the above conditions.



OMRON AUTOMATION AMERICAS HEADQUARTERS • Chicago, IL USA • 847.843.7900 • 800.556.6766 • automation.omron.com

OMRON CANADA, INC. • HEAD OFFICE

Toronto, ON, Canada • 416.286.6465 • 866.986.6766 • automation.omron.com

OMRON ELECTRONICS DE MEXICO • HEAD OFFICE

Ciudad de México • 52.55.5901.4300 • 01.800.386.6766 • mela@omron.com

OMRON ELECTRONICS DE MEXICO • SALES OFFICE

San Pedro Garza García, N.L. • 81.12.53.7392 • 01.800.386.6766 • mela@omron.

OMRON ELECTRONICS DE MEXICO • SALES OFFICE

Eugenio Garza Sada, León, Gto • 01.800.386.6766 • mela@omron.com

OMRON ELETRÔNICA DO BRASIL LTDA • HEAD OFFICE

São Paulo, SP, Brasil • 55 11 5171-8920 • automation.omron.com

OMRON ARGENTINA • SALES OFFICE

Buenos Aires, Argentina • +54.11.4521.8630 • +54.11.4523.8483 mela@omron.com

OTHER OMRON LATIN AMERICA SALES

+54.11.4521.8630 • +54.11.4523.8483 • mela@omron.com

Authorized Distributor:

Controllers & I/O

- Machine Automation Controllers (MAC) Motion Controllers
- Programmable Logic Controllers (PLC) Temperature Controllers Remote I/O

Robotics

• Industrial Robots • Mobile Robots

Operator Interfaces

• Human Machine Interface (HMI)

Motion & Drives

- Machine Automation Controllers (MAC) Motion Controllers Servo Systems
- Frequency Inverters

Vision, Measurement & Identification

 \bullet Vision Sensors & Systems \bullet Measurement Sensors \bullet Auto Identification Systems

Sensing

- Photoelectric Sensors Fiber-Optic Sensors Proximity Sensors
- Rotary Encoders Ultrasonic Sensors

Safety

- Safety Light Curtains Safety Laser Scanners Programmable Safety Systems
- Safety Mats and Edges Safety Door Switches Emergency Stop Devices
- Safety Switches & Operator Controls Safety Monitoring/Force-guided Relays

Control Components

- Power Supplies Timers Counters Programmable Relays
- Digital Panel Meters Monitoring Products

Switches & Relays

- Limit Switches Pushbutton Switches Electromechanical Relays
- Solid State Relays

Software

 $\bullet \ \mathsf{Programming} \ \& \ \mathsf{Configuration} \ \bullet \ \mathsf{Runtime}$

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for DIN Rail Power Supplies category:

Click to view products by Omron manufacturer:

Other Similar products are found below:

PS-S6024 DVP01PU-S DVP06AD-S DVP06XA-S DVPDNET-SL DVPDT01-S DVPPS01 PS-6012 PS9Z-5R1G PS-C24024

DVP08ST11N DVPACAB530 DVPCOPM-SL DVPEN01-SL DVPPF01-S ADNB008-48-1PM-C ADNB017-24-1PM-C ADNB040-24
1PM-C ADNB034-12-1PM-C SS14011524 S8TS-06024-E1 PS-UPS40 PSC-6024 PSD-A60W12 96PS-A120WDIN PSD-A60W48 PSD-A40W12 PSD-A40W24 SMP21-L20-DC24V-5A PSD-A40W48 S8T-DCBU-02 PS-S4024 NTPS-24-1.3 PST-96024 S82YVSC4P PS-S4005 PS-10024 PS-S10024 PS-C12024 PSP-480S24 PS-C48024 PSC-2024 PSC-4012 PSC-4048 PSC-9615 PSC-15124 PSC-15148 PSC-24148 PSC-48148 TRIO-PS-2G/1AC/12DC/5/C2LP