With Cover/Direct Mounting

Power ratings	Input voltage	Output voltage (VDC)	Output current	Built-in fan	Model
15 W	100 to 240 VAC (Permissible range 85 to 264 VAC, 80 to 370 VDC) ✻4	5 V	3 A	None	**S8FS-G01505C**
		12 V	1.3 A		**S8FS-G01512C**
		15 V	1 A		**S8FS-G01515C**
		24 V	0.65 A		**S8FS-G01524C**
30 W		5 V	6 A		**S8FS-G03005C**
		12 V	3 A		**S8FS-G03012C**
		15 V	2.4 A		**S8FS-G03015C**
		24 V	1.5 A		**S8FS-G03024C**
50 W		5 V	8 A ✻1		**S8FS-G05005C**
		12 V	4.3 A		**S8FS-G05012C**
		15 V	3.5 A		**S8FS-G05015C**
		24 V	2.2 A		**S8FS-G05024C**
100 W		5 V	16 A ✻2		**S8FS-G10005C**
		12 V	8.5 A		**S8FS-G10012C**
		15 V	7 A		**S8FS-G10015C**
		24 V	4.5 A		**S8FS-G10024C**
150 W		5 V	21 A ✻3		**S8FS-G15005C**
		12 V	13 A		**S8FS-G15012C**
		15 V	10 A		**S8FS-G15015C**
		24 V	6.5 A		**S8FS-G15024C**
		48 V	3.3 A		**S8FS-G15048C**
300 W	100 to 240 VAC (Permissible range 85 to 264 VAC, 120 to 370 VDC)	12 V	25 A	Yes	**S8FS-G30012C**
		15 V	20 A		**S8FS-G30015C**
		24 V	14 A		**S8FS-G30024C**
		48 V	7 A		**S8FS-G30048C**
600 W	100 to 240 VAC (Permissible range 85 to 264 VAC, 120 to 350 VDC)	12 V	50 A		**S8FS-G60012C**
		15 V	40 A		**S8FS-G60015C**
		24 V	27 A		**S8FS-G60024C**
		48 V	13 A		**S8FS-G60048C**

Note: 1. Ask your OMRON representative for pricing information on optional models.
2. Front-mounting is not possible.
To mount a Power Supply from the front, purchase a DIN Rail-mounting Power Supply and a Front-mounting Bracket (sold separately).
Refer to page 27.

With Cover/Direct Mounting (Extended hold time type)

Power ratings	Input voltage	Output voltage (VDC)	Output current	Built-in fan	Model
300 W	100 to 240 VAC (Permissible range 85 to 264 VAC, 120 to 370 VDC)	24 V	14 A	Yes	**S8FS-G30024C-H**
600 W	100 to 240 VAC (Permissible range 85 to 264 VAC, 120 to 350 VDC)		27 A		**S8FS-G60024C-H**

With Cover/Direct Mounting (Connector type)

Power ratings	Input voltage	Output voltage (VDC)	Output current	Built-in fan	Model
15 W	100 to 240 VAC (Permissible range 85 to 264 VAC, 80 to 370 VDC) ✻4	24 V	0.65 A	None	**S8FS-G01524CE**
30 W			1.5 A		**S8FS-G03024CE**
50 W			2.2 A		**S8FS-G05024CE**
100 W			4.5 A		**S8FS-G10024CE**
150 W			6.5 A		**S8FS-G15024CE**

✻1. The output electric power is 40 W.
✻2. The output electric power is 80 W.
✻3. The output electric power is 105 W.
✻4. Applicable to products produced from May 2018.

S8FS-G

Specifications

Item		Power rating / Output voltage	15 W			
			5 V	12 V	15 V	24 V
Efficiency ✻		100 VAC input	80% typ.	84% typ.	84% typ.	85% typ.
		200 VAC input	80% typ.	84% typ.	84% typ.	86% typ.
		230 VAC input	80% typ.	84% typ.	84% typ.	86% typ.
Input	Voltage range ✻		Single phase, 85 to 264 VAC, 80 to 370 VDC			
	Frequency ✻		50/60 Hz (47 to 450 Hz)			
	Current ✻	100 VAC input	0.32 A typ.			
		200 VAC input	0.2 A typ.			
	Power factor		---			
	Leakage current ✻	100 VAC input	0.5 mA max.			
		200 VAC input	1 mA max.			
	Inrush current ✻ (for a cold start at 25°C)	100 VAC input	14 A typ.			
		200 VAC input	28 A typ.			
Output	Rated Output Current		3 A	1.3 A	1 A	0.65 A
	Voltage adjustment range ✻		–10% to 15% (with V.ADJ)			
	Ripple & Noise voltage ✻	100 to 240 VAC input	40 mVp-p max.	40 mVp-p max.	40 mVp-p max.	60 mVp-p max.
	Input variation influence ✻		0.5% max.			
	Load variation influence ✻		1.0% max.			
	Temperature variation influence	100 to 240 VAC input	0.05%/°C max.			
	Startup time ✻	100 VAC input	1,000 ms max.			
		200 VAC input	1,000 ms max.			
	Hold time ✻	100 VAC input	15 ms typ.	14 ms typ.	15 ms typ.	15 ms typ.
		200 VAC input	75 ms typ.	70 ms typ.	75 ms typ.	70 ms typ.
Additional functions	Overload protection		Yes, automatic reset			
	Overvoltage protection ✻		Yes, 120% or higher of rated output voltage, power shut off (shut off the input voltage and turn on the input again)			
	Overheat protection		No			
	Series operation		Yes (For up to two Power Supplies, external diodes are required.)			
	Parallel operation		No (However, backup operation is possible, external diodes are required.)			
	Remote sensing		No			
	Remote control		No			
	Output indicator		Yes (LED: Green)			
Insulation	Withstand voltage		3 kVAC for 1 min. (between all input terminals and output terminals) current cutoff 20 mA			
			2 kVAC for 1 min. (between all input terminals and PE terminals) current cutoff 20 mA			
			1 kVAC for 1 min. (between all output terminals and PE terminals) current cutoff 20 mA			
	Insulation resistance		100 MΩ min. (between all output terminals and all input terminals/PE terminals) at 500 VDC			
Environment	Ambient operating temperature		–20 to 70°C (Derating is required according to the temperature.) (with no condensation or icing)			
	Storage temperature		–25 to 75°C (with no condensation or icing)			
	Ambient operating humidity		90% max. (Storage humidity: 90% max.)			
	Vibration resistance		10 to 55 Hz, 4.5 G max., 0.375-mm half amplitude for 2 h each in X, Y, and Z directions			
	Shock resistance		150 m/s^2, 3 times each in ±X, ±Y, ±Z directions			
Reliability	MTBF		135,000 hrs min.			
	Life expectancy ✻		10 years min.			
Construction	Dimensions (W×H×D)		Refer to *Dimensions* on page 19.			
	Weight		250 g			
	Cooling fan		No			
	Degree of protection		---			
Standards	Harmonic current emissions		Conforms to EN 61000-3-2			
	EMI ✻	Conducted Emissions	Conforms to EN 61204-3 Class B, EN 55011 Class B			
		Radiated Emissions	Conforms to EN 61204-3 Class B, EN 55011 Class B			
	EMS		Conforms to EN 61204-3 high severity levels			
	Safety Standards		UL 508 (Listing, excluding models with connector option) UL 60950-1, UL 62368-1 (Recognition, OVCII [≤ 3,000 m], Pol2) CSA C22.2 No.107.1 (excluding models with connector option) CSA C22.2 No.60950-1, No.62368-1 (excluding models with connector option) EN 50178 (OVCIII [≤ 2,000 m], OVCII [> 2,000 m and ≤ 3,000 m], Pol2) EN/IEC 60950-1, EN/IEC 62368-1 (OVCII [≤ 3,000 m], Pol2) Conforms to EN/IEC 61558-2-16 Conforms to PELV (EN/IEC 60204-1)			
	Marine Standards		No			
	SEMI		Conforms to F47-0706 (200 VAC input)			

✻ Refer to *Ratings, Characteristics, and Functions* on page 11.