

Item	Model	S8AS-24006	S8AS-24006N	S8AS-24006R
Others	Ambient operating temperature	Refer to the derating curve (no icing or condensation). *2		
	Storage temperature	-25 to 65°C		
	Ambient operating humidity	25% to 85% (storage: 25% to 90%)		
	Withstand voltage	3.0 kVAC for 1 min between all input terminals collectively and all branch output, all I/O signal, and all communications terminals collectively (Detection current: 20 mA) 2.0 kVAC for 1 min between all inputs and protective earth (Detection current: 20 mA) 1.0 kVAC for 1 min between protective earth and all branch output, all I/O signal, and all communications terminals collectively (Detection current: 20 mA) 500 VAC for 1 min between all branch output and all I/O signal/communications terminals collectively (Detection current: 20 mA) 500 VAC for 1 min between all I/O signal terminals collectively and communications terminals collectively (Detection current: 20 mA) 500 VAC for 1 min between all I/O signal terminals collectively and all output signal terminals collectively (detection current: 20 mA)		
	Insulation resistance	100 MΩ min. at 500 VDC between the protective earth terminal or all input terminals collectively and all branch output, all I/O signal, and all communications terminals collectively		
	Vibration resistance	No abnormality after 10 to 55 Hz at 0.375-mm single amplitude for 2 h each in 3 directions.		
	Shock resistance	No abnormality after 150 m/s ² 3 times each in 6 directions.		
	Output indicator	Provided (Color: green)		
	Conducted EMI	Conforms to EN 61204-3 Class A and FCC Class A.		
	Radiated EMI	Conforms to EN 61204-3 Class A.		
	Safety standards	cULus: UL508 (Listing, Class2: Per UL1310), CSA C22.2 No.107.1 (Class2: Per CSA C22.2 No.22.3) cURus: UL60950-1, CSA C22.2 No.60950-1 EN: EN50178, EN60950-1 VDE: VDE0160, VDE0805 Teil1		
	SEMI standard	SEMI F47-0706 (200 VAC input)		
	Weight	1,600 g max.		

*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. Refer to *Engineering Data* on page 8 for details.

*3. If the output voltage adjuster (V. ADJ) is turned, the voltage will increase by more than 10% 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. If the output voltage exceeds 28.8 V, all branch outputs will be cut off.

*4. Rated input and output conditions: Rated input voltage, rated frequency, rated output voltage, rated total output current, and maximum cutoff output current.

*5. 100% load conditions: Rated output voltage, rated total output current, and maximum cutoff output current.

S8AS-48008□

Item	Model	S8AS-48008	S8AS-48008N	S8AS-48008R	
Efficiency (Typ.)		80% min.			
Input conditions	Voltage range *1		100 to 240 VAC (85 to 264 VAC)		
	Frequency *1		50/60 Hz (47 to 63 Hz)		
	Current	100-V input	7.4 A max.		
		200-V input	3.9 A max.		
	Power factor		0.95 min.		
	Harmonic current		EN61000-3-2		
	Leakage current	100-V input	0.5 mA max.		
		200-V input	1.0 mA max.		
Inrush current *2	100-V input	25 A max. (for a cold start at 25°C)			
	200-V input	50 A max. (for a cold start at 25°C)			
Output conditions	Number of branches		8		
	Maximum cutoff output current (per branch)		3.8 A		
	Total output current		20 A		
	Allowable voltage range *3		±10% (with V.AD.J)		
	Ripple noise voltage		2.0%[P-P] max. (for rated input and output voltage) *4		
	Output leakage current		10 mA max.		
	Input fluctuation		0.5% max. (Input: 85 to 264 VAC, 100% load) *5		
	Load fluctuation (rated input voltage)		4.0% max. (rated input, 0% to 100% load) *5		
	Temperature fluctuation		0.05%/°C max.		
	Startup time *2		3,000 ms max. (for rated input and output voltage) *4		
Output hold time *2		20 ms min. (for rated input and output voltage) *4			
Functions	Tripping functions	Abnormal voltage tripping		28.8 V (Cannot be changed.)	
		Abnormal current tripping *2		Setting range: 0.5 to 3.8 A (in 0.1-A increments) 3.8 A (Cannot be changed.) Setting range: 0.5 to 3.8 A (in 0.1-A increments)	
		Abnormal total current tripping		Branch outputs are cut off when the total output current is more than 27 A for 1 s, 25 A for 2 s, or 22.5 A for 5 s.	
		Tripping alarm output		Photoswitch output 30 VDC max. and 50 mA max., Leakage current: 0.1 mA max., Residual voltage: 2 V max.	
	Undervoltage detection functions	Undervoltage detection		Setting range: 18.0 to 26.4 V (in 0.1-V increments) 20.0 V (Cannot be changed.) Setting range: 18.0 to 26.4 V (in 0.1-V increments)	
		Undervoltage detection output		Photoswitch output 30 VDC max. and 50 mA max., Leakage current: 0.1 mA max., Residual voltage: 2 V max.	
	Maintenance forecast monitor function	Maintenance forecast monitor		Setting range: 0.0 to 5.0 yr (in 0.5-yr increments) 0.5 yr (Cannot be changed.) Setting range: 0.0 to 5.0 yr (in 0.5-yr increments)	
		Maintenance forecast monitor output		Photoswitch output 30 VDC max. and 50 mA max., Leakage current: 0.1 mA max., Residual voltage: 2 V max.	
	Over-temperature detection function	Over-temperature		Setting range: 25 to 90°C (in 1°C increments) 90°C (Cannot be changed.) Setting range: 25 to 90°C (in 1°C increments)	
		Over-temperature output		Photoswitch output 30 VDC max. and 50 mA max., Leakage current: 0.1 mA max., Residual voltage: 2 V max.	
	Display functions	Output voltage display		Display range: 17.0 to 30.0 V Display accuracy: 2% rdg ±1 digit max.	
		Output current display		Branch output display range: 0.0 to 4.0 A Peak output current display range: 0.0 to 20.0 A Total current display range: 0.0 to 40.0 A Display accuracy: 5% FS (4 A) ±1 digit max.	
		Maintenance forecast monitor display		Display range: FUL (Full)/HLF (Half)/0.0 to 5.0 yr	
		Temperature display		Display range: -20 to 100°C Display accuracy: 2°C ±1 digit max.	
	External Tripping Input		The input can be enabled or disabled for each branch output. 19.2 to 30 VDC, minimum signal width: 10 ms, tripping after input within 20 ms + the shutdown sequence set time	All branch outputs: Enabled (Cannot be changed.) 19.2 to 30 VDC, minimum signal width: 10 ms, tripping after input within 20 ms + the shutdown sequence set time	The input can be enabled or disabled for each branch output. 19.2 to 30 VDC, minimum signal width: 10 ms, tripping after input within 20 ms + the shutdown sequence set time
	Startup sequence		Setting range: 0.0 to 99.9 s in 0.1-s increments	Branch output 1: 0.0 s (Cannot be changed.) Branch output 2: 0.4 s (Cannot be changed.) Branch output 3: 0.8 s (Cannot be changed.) Branch output 4: 1.2 s (Cannot be changed.) Branch output 5: 1.6 s (Cannot be changed.) Branch output 6: 2.0 s (Cannot be changed.) Branch output 7: 2.4 s (Cannot be changed.) Branch output 8: 2.8 s (Cannot be changed.)	Setting range: 0.0 to 99.9 s in 0.1-s increments
Shutdown sequence		Setting range: 0.0 to 99.9 s in 0.1-s increments	All branch outputs: 0.0 s (Cannot be changed.)	Setting range: 0.0 to 99.9 s in 0.1-s increments	
Communications		Not supported		Supported (RS-485)	
Sampling period		1 ms			
Parallel connection		Not supported			
Series connection		Not supported			

Note: Refer to the next page for information on *1 to *5.