

SLS100 Standard Specifications

Item		Capacity	100W	
		Model Name	SLS100P	SLS100PH
Input	Rated Input Voltage		AC100-120V	AC200-240V
	Input Voltage Range		AC85~132V	AC170-264V
	Frequency Range		47 to 63Hz (rated frequency 50/60Hz)	
	Input Current	Rated input/ output conditions	2.3A(typ)	1.2A(typ)
	Inrush Current (see Note 1)	Rated input/ output conditions	30A(max)	40A(max)
	Efficiency (typ)	Rated input/ output conditions	80%	
Output (see Note3)	Rated Output Voltage		24V	
	Output Voltage Variation		Fixed	
	Rated Output Current		4A	
	Output Current Range		0.1 to 4A (peak: 10A within 15 seconds)	
	Rated Output Power		96W	
	Ripple Noise (mVp-p)	Rated input/ output conditions	250	400
	Constant Voltage Accuracy (see Note 2)		±5% (typ)	
Others	Output Holdup Time	Rated input/ output conditions	20ms (typ)	
	Leakage Current	Rated input/ output conditions	0.5mA (max)	0.75mA
Additional Functions	Over Current Protection		Detection above 105% of peak current (automatic recovery)	
	Over Voltage Protection		115~145%	110~145%
	Remote Sensing		Not provided	
	Remote On/Off Control		Not provided	
	Display		Not provided	
Environmental Conditions	Operating Temperature Range		0 ~ +50℃	
	Storage Temperature Range		-25 ~ +80℃	
	Operating Humidity Range		30% to 90% (no condensation)	
	Storage Humidity Range		30% to 90% (no condensation)	
Insulation	Insulation Withstand Voltage (at normal temperature and humidity)	Between Input and Output, Between Input and Frame	1,500V AC for 1 minute	
		Between Output and Frame	500V AC for 1 minute or 600V AC for 1 second	
	Insulation Resistance (at normal temperature and humidity)	Between Input and Output, Between Input and Frame, Between Output and Frame	Above 100MΩ (measured with 500V DC Megger)	
Structure	Vibration Resistance		5 to 100Hz, 1.5G (with horizontal mounting), 1 hour (with 3-minute vibration time)	10 to 55Hz, 2G (with horizontal mounting), 1 hour (with 3-minute vibration time)
	Shock Resistance		10G (3 times each in the X, Y, Z directions)	
	Cooling Requirements		Natural air cooling	
	External Appearance		Open frame	
	External Dimensions (mm)		160 ^W ×98 ^D ×40 ^H	
	Weight (g)		Approx. 500	
Applicable Standards	Safety Standards		Designed to meet UL 1950 D3, CSA Electrical Bulletin 1402C	TUV (EN60950) certified
	Conducted Emission		Designed to meet FCC Class B Designed to meet VCCI Class B	Designed to meet VDE0871 Class A

Note 1: A higher inrush current than the value indicated may flow at restart.

Note 2: The rated voltage accuracy is measured under the input voltage variable range of 85 to 132V AC, within the output current variable range, with a time drift of 10 minutes to eight hours and an ambient temperature range from 0 to +50℃.

Note 3: Although the SLS060P has a thermal shutdown function to prevent overheating (SLS100P does not have this function), it is a simple system so the device must not be continuously operated when the output current exceeds the rated current.

* Measurements are made at a point 5cm from the output terminal for all output characteristics, with a 63V 47μF electrolytic capacitor attached at that point. (A 1:1 probe is used.)

* Rated input/output conditions means that the switching power supply is operated within the rated input voltage, rated output voltage, rated output current, and rated frequency, at an ambient temperature of 25℃ and 60% humidity.