

SLS060 Standard Specifications

Item		Capacity	60W	
		Model Name	SLS060P	SLS060PH
Input	Rated Input Voltage		AC100-120V	AC200-240V
	Input Voltage Range		AC85~120V	AC170-264V
	Frequency Range		47 to 63Hz (rated frequency 50/60Hz)	
	Input Current	Rated input/output conditions	1.2A(typ)	0.8A(typ)
	Inrush Current (see Note 1)	Rated input/output conditions	30A(max) see Note 1	40A(max)
	Efficiency (typ)	Rated input/output conditions	73%	
Output (see Note3)	Rated Output Voltage		24V	
	Output Voltage Variation		Fixed	
	Rated Output Current		2.5A	
	Output Current Range		0 to 2.5A (peak: 6A within 15 seconds)	
	Rated Output Power		60W	
	Ripple Noise (mVp-p)	Rated input/output conditions	300	
	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°C	
	Storage Temperature Range		-25 ~ +80°C	
	Operating Humidity Range		30% to 90% (no condensation)	
	Storage Humidity Range		30% to 90% (no condensation)	
	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	500V AC for 1 minute or 600V AC for 1 second	

Insulation	Insulation Resistance (at normal temperature and humidity)	Frame 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, 1 hour (with 3-minute vibration time)		10 to 55Hz, 2G, 1 hour (with 1.5-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 ×80 ^D ×40 ^H		
	Weight (g)	Approx. 400		
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 B

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°C.

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°C and 60% humidity.

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