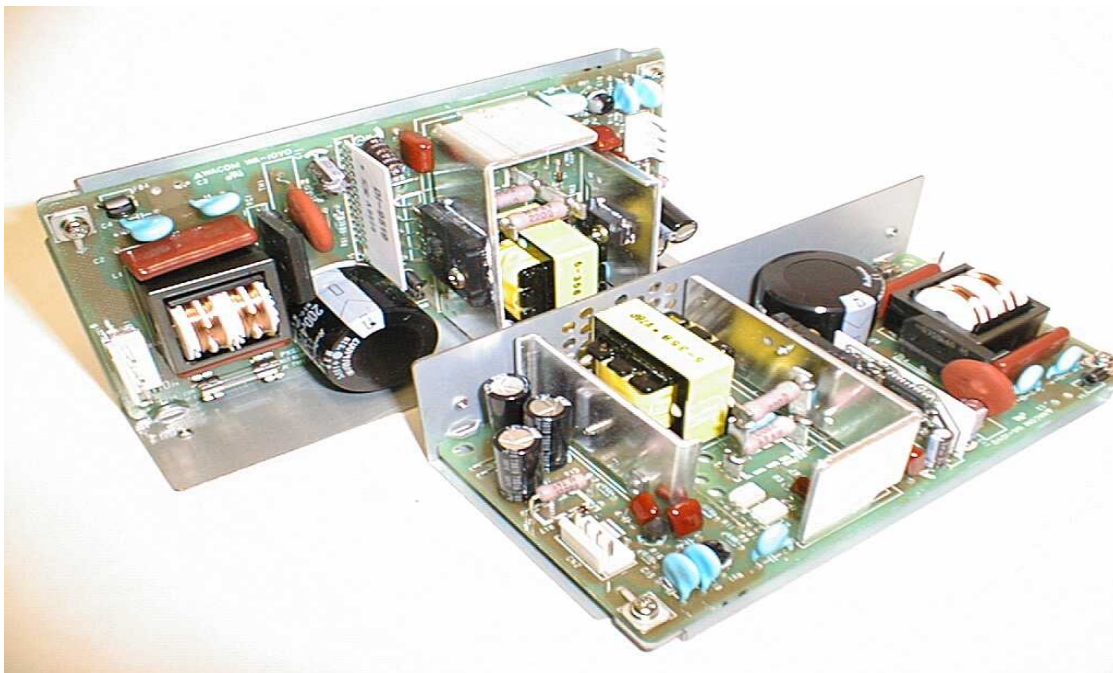


SLS SERIES

Single Output and Open Frame Switch Mode Power Supplies

The SLS Series are open frame design capable of meeting peak current (2.5 times more than rated current) for 15 seconds. These supplies are ideal for various types of applications include printer heads and motor systems.



Sanken

			Rating	5 W	60 W	
Item			Conditions	SLS005P-02	SLS060P	SLS060PH
Input	Rated Input Voltage		AC100~120V			AC200~240V
	Input Voltage Range		AC85~132V			AC170~264V
	Input Current	Rated input/output conditions		0.2A(typ)	1.2A(typ)	0.8A(typ)
	Inrush Current		50A (typ)	30A(max)	40A(max)	
	Rated Frequency Range		50/60Hz (Frequency Range 48~63Hz)			
	Efficiency(typ)	Rated input/output conditions		62%	73%	
Output	Rated Output Voltage		+5V	+24V		
	Adjustable Output Voltage Range		Fixed			
	Rated Output Current		1A	2.5A		
	Adjustable Output Current Range		0~1A (peak 2A 500ms)	0~2.5A (peak 6A within 15 sec)		
	Maximum Output Power		5W	60W		
	Ripple Noise	Rated input/output condition		100 mVp-p	300 mVp-p	
	Constant Voltage Accuracy		±3%	Typ ±5%		
	Other	Leakage Current	Rated input/output conditions		0.5mA (max)	
Output Holdup Time		Rated input/output conditions		10ms (typ)	20ms (typ)	
Additional Functions	Over Current Protection		Detection above 105% of rated current (output cutoff)			
	Over Voltage Protection		N/A	115~145%	110~145%	
	Remote Sensing		N/A			
	Remote On/Off Control		N/A			
	Display		N/A			
Environmental	Operating Temperature		-5~+50°C	0~+50°C		
	Storage Temperature		-25~+85°C			
	Operating Humidity		30~90% (no condensation)			
	Storage Humidity					
Insulation	Insulation Withstad Voltage	Input to Output	AC1500V for 1 minute			
		Input to Frame				
		Output to Frame				
	Insulation Resistance	Input to Output	100MΩ (measured with 500V DC Megger)			
		Input to Frame				
		Output to Frame				
Structural Specifications	Vibration Resistance		5~100Hz 2G 1 hour (in X,Y and Z directions, with 1.5 min. vibration time)	5~100Hz 1.5G 1 hour (in X,Y and Z directions, with 3 min. vibration time)	10~55Hz 2G 1 hour (in X,Y and Z directions, with 1.5 min. vibration time)	
	Cooling Requirements		Natural Convection			
	External Appearance (W x D x H) mm		94 x 55 x 27	160 x 80 x 40		
	Weight (g)		100	400		
Applicable Standards	Safety Standards		UL1950 D3	UL1950 D3 CSA Electrical Bulletin 1402C	VDE 0805 (EN60950)	
	EMI Standards		FCC Class B	FCC Part 15-J Class B VCCI Class 2	VDE0871 Class B	

			Rating		100 W		150 W		100 W				
Item			Conditions		SLS100P		SLS100PH		SLS150PW		SLS244R0 (SL001)		
Input	Rated Input Voltage		AC100~120V		AC200~240V		AC100~120V/ AC200~240V		AC100V				
	Input Voltage Range		AC85~132V		AC170~264V		AC85~132V/ AC170~264V		AC85~132V				
	Input Current	Rated input/output conditions		2.3A (typ)		1.2A (typ)		4/2A (typ)		2.0A (typ)			
	Inrush Current		30A (max)		40A (max)		20/50A (max)		30A (typ)				
	Rated Frequency Range		50/60Hz (Frequency Range 48~63Hz)								48~440Hz		
	Efficiency (typ)	Rated input/output conditions		80%									
Output	Rated Output Voltage		+24V										
	Adjustable Output Voltage Range		Fixed								Rated Voltage ±10%		
	Rated Output Current		4A				6A				4A		
	Adjustable Output Current Range		0.1~4A (peak 10A within 15 sec)				0.1~6A (peak 15A within 15 sec)				0.5~4A (peak 6A within 1 sec)		
	Maximum Output Power		96W				144W				96W		
	Ripple Noise	Rated input/output condition		400mVp-p				400mVp-p				700mVp-p	
	Constant Voltage Accuracy		Typ ±5%										
Other	Leakage Current	Rated input/output conditions		0.5mA (max)		0.75mA		0.5/0.75mA		1mA (max)			
	Output Holdup Time	Rated input/output conditions		20ms (typ)									
Additional Functions	Over Current Protection		Detection above 105% of rated current (output cutoff)										
	Over Voltage Protection (%)		115~145		110~145		110~145		110~130				
	Remote Sensing		Not Provided										
	Remote On/Off Control		N/A								Applicable		
	Display		N/A										
Environmental	Operating Temperature		0~+50°C										
	Storage Temperature		-25~+85°C										
	Operating Humidity		30~90% (no condensation)										
	Storage Humidity												
Insulation	Insulation Withstad Voltage		Input to Output		AC1500V for 1 minute		AC2000V for 1 minute/ AC2400V for 1second		AC1500V for 1 minute				
			Input to Frame										
			Output to Frame		AC500V for 1 minute, AC600V for 1 second								
	Insulation Resistance		Input to Output		100MΩ (measured with 500V DC Megger)								
			Input to Frame										
			Output to Frame										
Structural Specifications	Vibration Resistance		5~100Hz 1.5G 1 hour (in X,Y and Z directions with 3 min vibration time)		10~55Hz 2G 1 hour (in X,Y and Z directions with 3 min vibration time)		10~55Hz 2G 1 hour (in X,Y and Z directions with 3 min vibration time)		10~55Hz 2G 2 hours				
	Cooling Requirements		Natural Convection										
	External Appearance (W x D x H) mm		160 x 98 x 40				220 x 98 x 52		180 x 110 x 50				
	Weight (g)		500				850		550				
Applicable Standards	Safety Standards		UL1950 D3 CSA Electrical Bulletin 1402C		VDE0805 (EN60950)		UL1950 CSA No.234 TUV EN60950		UL114 UL478 Dentori				

	EMI Standards	FCC Part15-J Class A VCCI Class 2	VDE0871 Class A	FCC Part15-J Class A VCCI Class 2	FCC Part15-J Class A
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