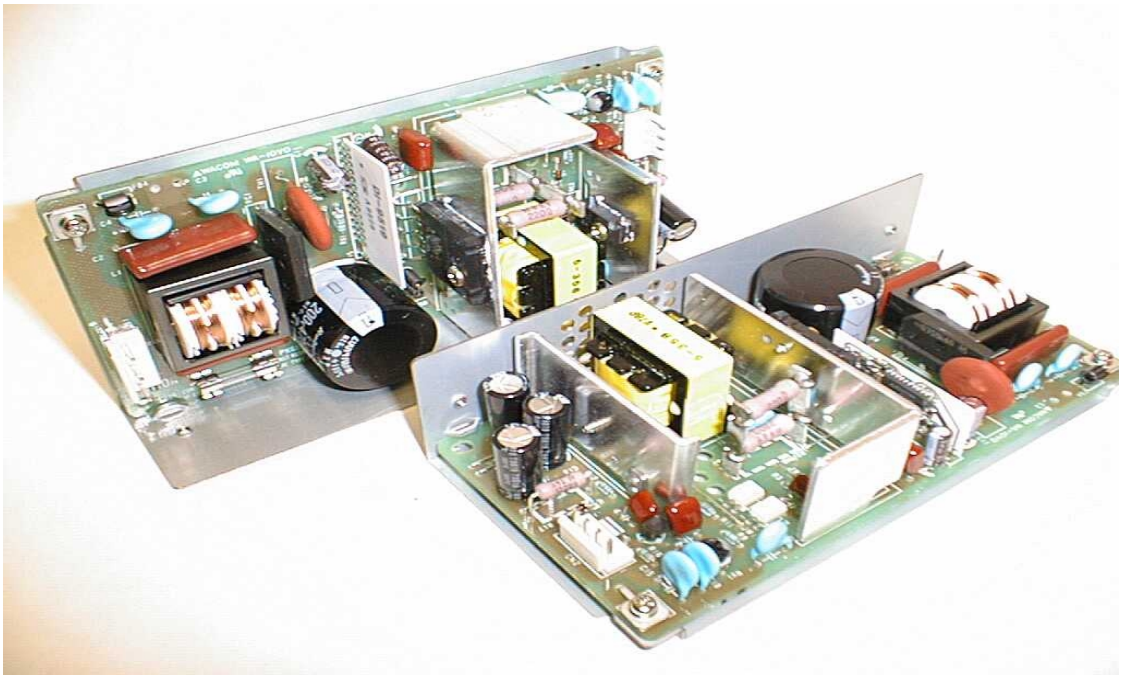
SLM SERIES

Multiple Outputs and Open Frame Switch Mode Power Supplies

The SLM Series power supplies with Flyback topology featuring an open frame design capable of meeting peak current (2.5 times more than the rated current) for 15 seconds. The SLM Series are suitable for office automation, industrial equipment, computer-peripheral or test equipment machine toll applications.



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		Rating	**12 W**			
			SLM012-01		**SLM012-02**	
Item		**Conditions**				
Input	Rated Input Voltage		AC100			
	Input Voltage Range		AC85~132V			
	Input Current	Rated input/output conditions	0.5A(max)			
	Inrush Current		50A (max)			
	Rated Frequency Range		50/60Hz (Frequency Range 48~440Hz)			
	Efficiency(typ)	Rated input/output conditions	60%			
Output	Rated Output Voltage		+5V	+12V	+5V	+12V
	Adjustable Output Voltage Range		Fixed			
	Rated Output Current		0.7A			
	Adjustable Output Current Range		0.1~ 0.7A	0.1~1.1A (peak 1.1A 15s)	0.1~ 0.7A	0.1~1.1A (peak 1.1A 15s)
	Maximum Output Power		11.9W			
	Ripple Noise(mVp-p)	Rated input/output condition	150	200	150	200
	Constant Voltage Accuracy		±5%			
Other	Leakage Current	Rated input/output conditions	0.25mA (max)			
	Output Holdup Time	Rated input/output conditions	20ms (min)			
Additional Functions	Over Current Protection		Above0.8A	Above 1.2A	Above 0.8A	Above 1.2A
	Over Voltage Protection		N/A			
	Remote Sensing		N/A			
	Remote On/Off Control		N/A			
	Display		N/A			
Environmental	Operating Temperature		0~+50°C			
	Storage Temperature		-10~+70°C			
	Operating Humidity		5~85% (No Condensation)			
	Storage Humidity					
Insulation	Insulation Withstad Voltage	Input to Output	AC 1250V for 1 minute, AC 1500V for 3 seconds			
		Input to Frame				
		Output to Frame	Short-Circuit			
	Insulation Resistance	Input to Output	50MΩ (measured with 500VDC Megger)			
		Input to Frame				
		Output to Frame	Short-Circuit			
Structural Specificati	Vibration Resistance		5~100Hz 1.5G 30 min. (X,Y,and Z directions with 3 min. vibration time)			
	Cooling Requirements		Natural Convection			
	External Appearance (W x D x H) mm		120 x 40 x 29.6		90 x 46 x 28.4	
	Weight (g)		150			
Applicable Standards	Safety Standards		UL1950D3, CSA 1402C Dentori			
	EMI Standards		VCCI Class 2			

			Rating	**30 W**
				SLM030-01
Item			**Conditions**	
Input	Rated Input Voltage			AC100V
	Input Voltage Range			AC90~135V
	Input Current		Rated input/output conditions	0.9A(typ)
	Inrush Current			20A(max)
	Rated Frequency Range			50/60Hz (Frequency Range 45~65Hz)
	Efficiency (typ)		Rated input/output conditions	65%
Output	Rated Output Voltage			+5V / +12V
	Adjustable Output Voltage Range			Fixed
	Rated Output Current			2.0A / 2.0A (peak 2.8A)
	Adjustable Output Current Range			0.1~2.0A
	Maximum Output Power			30W
	Ripple Noise		Rated input/output condition	60mVp-p / 150mVp-p
	Constant Voltage Accuracy			Typ ±5%
Other	Leakage Current		Rated input/output conditions	0.5mA(max)
	Output Holdup Time		Rated input/output conditions	13ms (typ)
Additional Functions	Over Current Protection			Yes
	Over Voltage Protection (%)			5.8~6.8V / N/A
	Remote Sensing			N/A
	Remote On/Off Control			N/A
	Display			N/A
Environmental	Operating Temperature			0~+40°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	AC500V for 1 minute
	Insulation Resistance		Input to Output	100MΩ (measured with 500V DC Megger)
			Input to Frame	
			Output to Frame	
Structural Specifications	Vibration Resistance			10~55Hz 2.5G 1 hour (X, Y, and Z directions with 1.5 min. vibration time)
	Cooling Requirements			Natural Convection
	External Appearance (W x D x H) mm			140 x 90 x 35
	Weight (g)			250
Applicable Standards	Safety Standards			UL478, CSA Electrical Bulletin 1402C
	EMI Standards			FCC Part15-J Class B, VCCI Class 2

			Rating	40 W			55 W		
Item			Conditions	SLM50212A			SLM50512		
Input	Rated Input Voltage			AC115V/AC230V			AC100V/AC200V		
	Input Voltage Range			AC90~135V/AC180~270V			AC85~132V/AC170~264V		
	Input Current	Rated input/output conditions		0.8A/0.5A (typ)			1.4A/0.8A (typ)		
	Inrush Current			20A/40A (typ)			30A (typ)		
	Rated Frequency Range			50/60Hz (Frequency Range 45~440Hz)			50/60Hz (Frequency Range 48~440Hz)		
	Efficiency (typ)	Rated input/output conditions		65%			68%		
Output	Rated Output Voltage			+5V	+12V	-12V	+5V	+12V	-12V
	Adjustable Output Voltage Range			Fixed					
	Rated Output Current			2.5A	2.0A	0.1A	5A	2A	0.5A
	Adjustable Output Current Range			0.45~2.5A	0.3~2.0A	0.04~0.1A	1~5A	0~2A	0~0.5A
	Maximum Output Power			40W			55W		
	Ripple Noise	Rated input/output condition		150mVp-p					
	Constant Voltage Accuracy			±5%	±5%	-11~-15V	±3%	±5%	±5%
Other	Leakage Current	Rated input/output conditions		0.5mA(max)					
	Output Holdup Time	Rated input/output conditions		13ms (typ)			20ms (typ)		
	Switching Method, Transformer Frequency			RCC topology, approx. 30kHz (under rated input/output conditions)					
	Startup Time			70ms (typ)			200ms (typ)		
Additional Functions	Over Current Protection			Yes			150%	Yes	
	Over Voltage Protection (%)			115~137% of Rated Input Voltage			N/A		
	Remote Sensing			N/A					
	Remote On/Off Control			N/A					
	Display			N/A					
Environmental	Operating Temperature			0~+50°C			-10~+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 and Frame	AC500V for 1 minute					
	Insulation Resistance		Input to Output	100MΩ (measured with 500V DC Megger)					
			Input to Frame						
			Output to Frame						
Structural Specificatio	Vibration Resistance			10~55Hz 2.5G 1 hour (X,Y,and Z directions)					
	Cooling Requirements			Natural Convection					
	External Appearance (W x D x H) mm			160 x 100 x 47			180 x 112 x 50		
	Weight (g)			320			560		
Applicable Standards	Safety Standards			UL478, UL114 CSA Electrical Bulletin 1402C VDE(EN60950)			Dentori UL478, UL114 VDE0806 Class 1		
	EMI Standards			FCC Part15-J Class B, VDE0871 Class B					

			Rating	58 W		70 W		
Item			Conditions	SLM50224		SLM50812 (SLS001)		
Input	Rated Input Voltage			AC100V/AC200V				
	Input Voltage Range			AC85~132V/AC170~264V				
	Input Current	Rated input/output conditions		1.4A/0.8A (typ)		1.7A/1.0A (typ)		
	Inrush Current			30A (typ)				
	Rated Frequency Range			50/60Hz (Frequency Range 48~440Hz)				
	Efficiency (typ)	Rated input/output conditions		65%		68%		
Output	Rated Output Voltage			+5V	+24V	+5V	+12V	-12V
	Adjustable Output Voltage Range			Fixed				
	Rated Output Current			2.0A		8A	2A	0.5A
	Adjustable Output Current Range			0~2A	0.2~2A	1~8A	0~2A	0~0.5A
	Maximum Output Power			58W		70W		
	Ripple Noise	Rated input/output condition		150mVp-p				
	Constant Voltage Accuracy			±3%	±10%	±4%	±5%	±5%
Other	Leakage Current	Rated input/output conditions		0.5mA(max)				
	Output Holdup Time	Rated input/output conditions		20ms (typ)				
	Switching Method, Transformer Frequency			RCC topology, approx. 30kHz (under rated input/output conditions)				
	Startup Time			200ms (typ)				
Additional Functions	Over Current Protection			Yes				
	Over Voltage Protection (%)			N/A				
	Remote Sensing			N/A				
	Remote On/Off Control			N/A				
	Display			N/A				
Environmental	Operating Temperature			-10~+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	AC500V for 1 minute				
	Insulation Resistance		Input to Output	100MΩ (measured with 500V DC Megger)				
			Input to Frame					
			Output to Frame					
Structural Specificatio	Vibration Resistance			10~55Hz 2.5G 1 hour (X,Y,and Z directions)				
	Cooling Requirements			Natural Convection				
	External Appearance (W x D x H) mm			159 x 114 x 55		200 x 126 x 65		
	Weight (g)			520		750		
Applicable Standards	Safety Standards			UL478, UL114 VDE8606 Class1 Dentori				
	EMI Standards			FCC Part 15-J Class B		FCC Part 15-J Class B VDE0871 Class B		

			Rating	72 W		60 W	
Item			Conditions	SLM24212		SLM060-20	
Input	Rated Input Voltage			AC100V			
	Input Voltage Range			AC85~132V			
	Input Current	Rated input/output conditions		1.7A(typ)		1.5A(typ)	
	Inrush Current			30A (typ)		30A (typ)	
	Rated Frequency Range			50~60Hz (Frequency Range 47~63Hz)			
	Efficiency (typ)	Rated input/output conditions		70%		75%	
Output	Rated Output Voltage			+12V	+24V	+8V	+24V
	Adjustable Output Voltage Range			Fixed			
	Rated Output Current			2.0A			
	Adjustable Output Current Range			0.3~2A	0.2~2A	0.2~2A	0.1~3A
	Maximum Output Power			72W		16W	48W
	Ripple Noise	Rated input/output condition		150mVp-p		150mVp-p	240mVp-p
	Constant Voltage Accuracy			±10%		±5%	±10%
Other	Leakage Current	Rated input/output conditions		0.5mA(max)			
	Output Holdup Time	Rated input/output conditions		20ms (typ)			
	Switching Method, Transformer Frequency			RCC topology, approx. 30kHz (under rated input/output conditions)			
	Startup Time			200ms (typ)			
Additional Functions	Over Current Protection			Yes			
	Over Voltage Protection (%)			N/A			
	Remote Sensing			N/A			
	Remote On/Off Control			N/A			
	Display			N/A			
Environmental	Operating Temperature			0~+50°C			
	Storage Temperature			-25~+85°C			
	Operating Humidity			10~85% (No Condensation)		30~90% (No Condensation)	
	Storage Humidity						
Insulation	Insulation Withstad Voltage		Input to Output	AC1500V for 1 minute / AC1800V for 1 second		AC1500V for 1 minute	
			Input to Frame				
			Output to Frame	AC500V for 1 minute / AC600 for 1 second		AC500V for 1 minute	
	Insulation Resistance		Input to Output	50MΩ (measured with 500V DC Megger)		100MΩ (measured with 500V DC Megger)	
			Input to Frame				
			Output to Frame				
Structural Specifications	Vibration Resistance			10~20Hz (X, Y, and Z directions)		10~55Hz 2.5G 1 hour (X, Y, and Z directions)	
	Cooling Requirements			Natural Convection			
	External Appearance (W x D x H) mm			180 x 120 x 50		180 x 79 x 52	
	Weight (g)			510		330	
Applicable Standards	Safety Standards			UL478 Dentori		Dentori	
	EMI Standards			FCC Class B		FCC Part 15 Subpart J Class A	