

60W Series AC-DC Strip Switching Power Supply Specifications

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	Model	L12V5A	Remark	
Input	Voltage (V)	110V~220V±10%		
	Current (A)	ACIN 110V	0,63	
		ACIN 220V	0,32	
	Frequency (Hz)	50Hz/60Hz (47~63Hz)		
	Efficiency	ACIN 110V	82%	
		ACIN 220V	82%	
	Inrush Current (A)	ACIN 110V	20 typ @ 25 °C cold start	
ACIN 220V		40 typ @ 25 °C cold start		
Leakage current (A)	0.75max (ACIN 115V/240V, 60Hz, Io = 100%, IEC60950-1 and DEN-AN compliant)			
Output	Voltage (V)	12		
	Current (A)	ACIN 110V	5	
		ACIN 220V	5	
	Power (W)	ACIN 85-115V	60	
		ACIN 115-264V	60	
	Power Supply Regulation (mV)	100max		
	Load Regulation (mV)	40max		
	Ripple Voltage (mV p-p)	-10—50°C	140max	
	Ripple Noise (mV p-p)	-10—50°C	≤400MV	
	Drift (mV)	20max		
Startup time (ms)	≤200S@120VAC≤50S@230VAC			
Protection time (ms)	≥20mS@120VAC,≥20mS@230VAC			
Output voltage adjustment range (V)	± 10% (rated output voltage)			
Protection circuit and others	Overcurrent protection	105%-150%		
	Overvoltage protection (V)	115% ~ 135% (rated output voltage)		
	Short circuit protection	Protection, automatic recovery		
	Operational indicators	Green led light		
Insulation properties	Input-output	AC1500V,1min, 25°C		
	Input-Enclosure	AC1500V,1min, 25°C		
	Output-Enclosure	DC500V,1min, 25°C		
Environmental conditions	Operating temperature	-10°C~50°C; 20% ~ 90% RH (no condensation)		
	Storage temperature	-20°C~70°C; 20% ~ 90% RH (no condensation)		
	Vibration	10 ~ 55Hz, 19.6m/S2 (2G), 3 min cycle, 60 min along X, Y, Z axis		
Safety and noise	Impact	196.1m/S2 (20G), 11ms, once along X, Y and Z axis		
	Safety certification	Comply with EN		
Other	Electromagnetic compatibility standard	EN55022 Class B, EN61000-4-2/-3/-4/-5/-6/-11		
	Enclosure dimensions	160*40*32mm		
	Weight (kg)	0,18		
	Cooling method	Natural Energy		