

30W Waterproof AC-DC Switching Power Supply Specifications

		Model	W12V30W	Remark
Input	Voltage (V)		100V-260V	
	Current (A)	ACIN 110V	0,37	
		ACIN 220V	0,26	
	Frequency (Hz)		50Hz/60Hz (47~63Hz)	
	Efficiency	ACIN 110V	85%	
		ACIN 220V	85%	
	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	2,5	
		ACIN 220V	2,5	
	Power (W)	ACIN 85-115V	30	
		ACIN 115-264V	30	
	Power Supply Regulation (mV)		200max	
	Load Regulation (mV)		120max	
	Ripple Voltage (mV p-p)	-10—50°C	200max	
	Ripple Noise (mV p-p)	-10—50°C	≤200mV	
	Drift (mV)		60max	
Startup time (ms)		≤200S@120VAC≤10S@230VAC		
Protection time (ms)		≥20mS@120VAC,≥20mS@230VAC		
Output voltage range (V)		± 10% (rated output voltage)		
Protection circuit and	Overcurrent protection		105% ~ 150% (rated load), self-recovery	
	Overvoltage protection (V)		115% ~ 135% (rated output voltage)	
	Short circuit protection		Protection, automatic recovery	
Insulation properties	Input-output		AC1500V,1min, 25°C	
	Input-Enclosure		AC1500V,1min, 25°C	
	Output-Enclosure		DC500V,1min, 25°C	
Environmental conditi	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	
	Impact		196.1m/S2 (20G), 11ms, once along X, Y and Z axis	
Safety and noise regul	Safety certification		Comply with EN	
	Electromagnetic compatibility standard		EN55022 Class B, EN61000-4-2/-3/-4/-5/-6/-11	
Other	Enclosure dimensions		222*30*20mm	
	Weight (kg)		0,26	
	Cooling method		Natural Energy	