

240W Series AC-DC Strip Switching Power Supply Specifications

		Model	NL12V20A	Remark
Input	Voltage (V)		180~240V±10%	
	Current (A)			
		ACIN 220V	1.5A	
	Frequency (Hz)		50Hz/60Hz (47~63Hz)	
	Efficiency	ACIN 220V	82%	
	Inrush current (A)	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 220V	20	
	Power (W)			
		ACIN 180-240V	240W	
	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)		≤50S@230VAC		
Protection time (ms)		≥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	
Impact		196.1m/S2 (20G), 11ms, once along X, Y and Z axis		
Safety and noise	Safety certification		Comply with EN	
	Electromagnetic compatibility standard		EN55022 Class B, EN61000-4-2/-3/-4/-5/-6/-11	
Other	Enclosure dimensions		310*52.5*22.5mm	
	Weight (kg)		0,42	
	Cooling method		Natural Energy	