

L12V20A DATASHEET



Model		L12V20A	REMARK
INPUT	Voltage (V)	180~240V±10%	
	Current (A)	ACIN 220V 1.5A	
	Frequency (Hz)	50Hz/60Hz (47~63Hz)	
	Efficiency (%)	ACIN 220V 82%	
	Surge current (A)	ACIN 220V 40 typ@25°C cold start	
	Leakage current (A)	0.75max (ACIN 115V / 240V, 60Hz, Io=100%, in accordance with IEC60950-1 and DEN-AN standards)	
	OUTPUT	Voltage (V)	12V
Current (A)		ACIN 220V 20A	
Power (W)		ACIN 180-240V 240W	
Power adjustment rate (mV)		100max	
Load adjustment rate (mV)		40max	
Ripple voltage (mV p-p)		-10~50°C 140max	
Ripple noise (mV p-p)		-10~50°C ≤400mV	
Drift (mV)		20max	
Start time (ms)		≤50S@230VAC	
Protection time (ms)		≥20mS@230VAC	
Output voltage adjustment range (V)		±10% (rated output voltage)	
Protecting circuits 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 performance	Input-output	AC1500V,1min, 25°C	
	Input - casing	AC1500V,1min, 25°C	
	Output - casing	DC500V,1min, 25°C	
Environmental conditions	Working temperature	-10°C~50°C; 20%~90%RH (without condensation)	
	Storage temperature	-20°C~70°C; 20%~90%RH (without condensation)	
	Vibration	10~55Hz, 19.6m/s ² (2G), 3-minute cycle, 60 minutes each along the X, Y, and Z axes	
Safety and noise	Impact	196.1m/s ² (20G), 11ms, once along the X, Y, and Z axes each	
	Safety certification	compliant with EN	
Others	Electromagnetic compatibility standard	EN55022 Class B, EN61000-4-2/-3/-4/-5/-6/-11	
	Casing dimensions	223*68*40mm	
	Weight (kg)	0,48	
	Cooling method	Fan cooling	