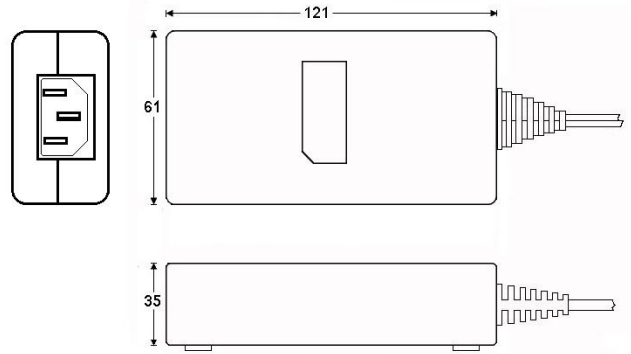


Switch Power Supply

Model : **SF-125A0F-11**



Shell Size:



position	L	W	H
Unit of length(mm)	121mm	61mm	35mm
KEY FEATURES * Universal input * Built-in EMI filter * Optional constant current charger * Optional +12 , 5A output * Optional output cable and plug		OUTPUT CURRENT 12.0VDC RATE 5A MIN 0A PEAK 5.5A	
INPUT * Input range -----90 ~ 264 VAC, universal * Frequency ----- 47 ~ 63Hz * Inrush current ----- 40A Typ. Cold start @ 25 C, 115VAC * Efficiency -----86.6% Typical at 120/220V AC 50/60Hz input and rated output full load. * Line regulation ----- +/- 0.5% OUTPUT * Maximum power ----- 60W			
RIPPLE AND NOISE 50mVp-p MAX. 20M Hz bandwidth, peak to peak, measured differentially. 100uf electrolytic capacitor across load.			
OVER VOLTAGE PROTECTION 14V Max (output voltage over voltage protection point,power supply unit will be no output).			
SHORT CIRCUIT PROTECTION No damage,smokeless,fireless auto-recover.			
EMI&EMC		SAFETY APPROVAL DOE&Erp LEVEL 6	

Test at 115V/60Hz report:

Tested model:	SF-125A0F-11			Test specimen 1		at 115V/60Hz
Nameplate Output:	12V,5A					
Percent of Nameplate Current	0%	25%	50%	75%	100%	Remark
RMS Input Voltage (V)	115.0	115.0	115.0	115.0	115.0	
Input Frequency (Hz)	60	60	60	60	60	
RMS Input Power (W)	0.062	16.925	34.140	51.722	69.802	Input Power (Pin)
True Power Factor	0.044	0.476	0.515	0.543	0.567	
Output Voltage (Vdc)	12.326	12.221	12.123	12.024	11.925	
Output Current (A)	--	1.250	2.503	3.750	5.003	
Active Output Power (W)	--	15.276	30.344	45.090	59.661	Output Power(Pout)
Power Consumed by UUT(W)	0.062	1.649	3.796	6.632	10.141	<0.21W at no load*)
Efficiency (%)	--	90.258	89.457	87.178	85.471	(Pout/Pin)*100%
Average Efficiency (%)	--	88.091				>88.00% at active mode*)
Note: *) see item 4 of test report for details						

Test at 230V/50Hz report:

Tested model:	SF-058A0F-11			Test specimen 1		at 230V/60Hz
Nameplate Output:	12V,5A					
Percent of Nameplate Current	0%	25%	50%	75%	100%	Remark
RMS Input Voltage (V)	230.0	230.0	230.0	230.0	230.0	
Input Frequency (Hz)	50	50	50	50	50	
RMS Input Power (W)	0.113	16.939	33.979	51.034	67.899	Input Power (Pin)
True Power Factor	0.021	0.448	0.484	0.504	0.516	
Output Voltage (Vdc)	12.330	12.239	12.148	12.055	11.961	
Output Current (A)	--	1.250	2.503	3.750	5.002	
Active Output Power (W)	--	15.488	30.406	45.206	59.829	Output Power(Pout)
Power Consumed by UUT(W)	0.113	1.451	3.573	5.828	8.070	<0.21W at no load*)
Efficiency (%)	--	91.434	89.485	88.580	88.115	(Pout/Pin)*100%
Average Efficiency (%)	--	89.403				>88.00% at active mode*)
Note: *) see item 4 of test report for details						