




SLAC-121000

SEALED LEAD ACID AUTOMATIC FLOAT CHARGER
12V 1000mAh With 40" Cord

SPECIFICATION				
MODEL	SLAC-121000	NAME	Class 2 battery charger	PHOTO 
PART NO.		SPEC.	12V 1A	
Switch Power Supply; For 12V lead-acid battery only.				
I	INPUT PROPERTY			
	1	AC input voltage range	90Vac~264Vac	Universal
	2	AC input voltage rating	100Vac~240Vac	
	3	AC input frequency	47Hz~63Hz	
	4	AC input current	0.3A@115Vac/0.19A@230Vac	Max. (RMS)
	5	AC input power	23W	Max.
	6	AC input static state current	30mA	Max.
	OUTPUT PROPERTY			
	1	Output voltage range	10~15Vdc	
	2	Output Current	1A@12Vdc	±10%
	3	Output power	14.5W	Max.
	4	Bulk charge current rating	1A	Typical
	5	Bulk charge voltage rating	14.7Vdc	±0.3Vdc
	6	Float charge voltage rating	13.7Vdc	13.5V-13.95Vdc
7	Light switching current	200mA	±50mA	
II	GENERAL CHARACTERISTICS			
	1	Efficiency	68%	Typical
	2	Over load protection	<1.5 A	
	3	Short circuit protection	Yes	
	4	Reversed polarity connectors protection	Yes	
	5	Operating temperature	0°C~40°C	
	6	Storage temperature	-30°C~85°C	
	7	Operating relative humidity	8%~90%	
	8	Storage relative humidity	5%~95%	
III	INDICATOR STATUS			
	1	Green LED on	Empty load or float charge	
	2	Red LED on	Bulk charge	
	3			
	4			
	5			



EMPIRE®

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IV	SAFETY				
	1	Withstand Voltage (Hi-Pot)	3000Vac ≤10mA (60s)	I/P to O/P	
	2	Insulation Resistance	>100MΩ @500Vdc	25°C & 70%RH	
	3	Temperature Rise	<75°C	Case	
	4	Safety Standard	UL1310 (E248494)		
	5	EMI/RFI Standard	Designed to meet EN55022-B		
VI	RELIABILITY				
	1	Spot test	Burn in 24h at 40°C	Full load	
	2	Whole test	Burn in 2h at 40°C	Full load	
	3				
VII	MECHANICAL CHARACTERISTICS				
	1	Net Weight	205g		
	2	Dimension	82mm*57mm*45mm	L×W×H	
	3	Enclosure	Plastic case		
VIII	CHARGE CHARACTERISTICS				
	<p>The graph illustrates the charging characteristics of the SLAC-121000 charger. It shows two curves: Charge current (A) on the left y-axis and Charge voltage (V) on the right y-axis. The x-axis represents time, divided into three phases: Constant current, Constant voltage, and Float charge. In the Constant current phase, the current rises from 200mA to 1A while the voltage increases. In the Constant voltage phase, the current remains at 1A while the voltage reaches 14.7V. In the Float charge phase, the current drops to near 0A and the voltage drops to 13.7V.</p>				