




## SLAC-12500

SEALED LEAD ACID AUTOMATIC FLOAT CHARGER  
12V 500mAh With 40" Cord

SPECIFICATION				
<b>MODEL</b>	SLAC-12500	<b>NAME</b>	Class 2 battery charger	<b>PHOTO</b> 
<b>PART NO.</b>		<b>SPEC.</b>	12V 500mA	
Switch Power Supply; For 12V lead-acid battery only.				
I	<b>INPUT PROPERTY</b>			
	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	0.14A@115Vac/0.1A@230Vac	Max. (RMS)
	5	AC input power	13W	Max.
	6	AC input static state current	35mA	Max.
	<b>OUTPUT PROPERTY</b>			
	1	Output voltage range	10~15Vdc	
	2	Output Current	500mA@12Vdc	±10%
	3	Output power	7.5W	Max.
	4	Bulk charge current rating	500mA	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	100mA	±25mA	
II	<b>GENERAL CHARACTERISTICS</b>			
	1	Efficiency	62%	Typical
	2	Over load protection	<0.8 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	<b>INDICATOR STATUS</b>			
	1	Green LED on	Empty load or float charge	
	2	Red LED on	Bulk charge	
	3			
	4			
	5			



# EMPIRE®

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IV	<b>SAFETY</b>				
	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	<b>RELIABILITY</b>				
	1	Spot test	Burn in 24h at 40°C		Full load
	2	Whole test	Burn in 2h at 40°C		Full load
VII	<b>MECHANICAL CHARACTERISTICS</b>				
	1	Net Weight	205g		
	2	Dimension	82mm×55.5mm×47mm		L×W×H
	3	Enclosure	Plastic case		
VIII	<b>CHARGER CHARACTERISTICS</b>				
	<p>The graph plots Charge current (A) on the left y-axis (0A, 100m, 500mA) and Charge voltage (V) on the right y-axis (0V, 10V, 13.7V, 14.7V). The x-axis represents time, divided into three phases: Constant current, Constant voltage, and Float charge. In the Constant current phase, the current is constant at 500mA while the voltage rises from 0V to approximately 13.7V. In the Constant voltage phase, the voltage is constant at 14.7V while the current decreases from 500mA to about 100mA. In the Float charge phase, the voltage drops to 13.7V and the current remains constant at 100mA.</p>				