

深圳市迈科盛电源技术有限公司  
Shenzhen Marxon Power Supply Co. Ltd.

FILE NO.:

VERSION NO.:

DATE:

<b>SPECIFICATION</b>				
<b>MODEL</b>	LC-2197	<b>NAME</b>	Class 2 battery charger	<b>PHOTO</b> 
<b>PART NO.</b>		<b>SPEC.</b>	6V 0.5A	
Switch Power Supply; For 6V 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	0.09A@115Vac/0.06A@230Vac	Max. (RMS)
	5	AC input power	6.5W	Max.
	6	AC input static state current	20mA	Max.
	<b>OUTPUT PROPERTY</b>			
	1	Output voltage range	5.0~7.5Vdc	
	2	Output Current	0.5A@6Vdc	±10%
	3	Output power	4W	Max.
	4	Bulk charge current rating	0.5A	Typical
	5	Bulk charge voltage rating	7.35Vdc	±0.15Vdc
	6	Float charge voltage rating	6.8Vdc	±0.1Vdc
7	Light switching current	100mA	±25mA	
II	<b>GENERAL CHARACTERISTICS</b>			
	1	Efficiency	58%	Typical
	2	Over load protection	<0.7A	
	3	Short circuit protection	Enable	
	4	Reversed polarity connectors protection	Enable	
	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			

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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	162g		
	2	Dimension	67.5mm*52.5mm*40.5mm		L×W×H
VIII	<b>CHARGER CHARACTERISTICS</b>				
	<p style="text-align: center;">             Charge current (A) vs. Charge voltage (V) graph showing three stages: Constant current (0.5A), Constant voltage (6.8V), and Float charge (7.35V).         </p>				

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