


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:

SPECIFICATION				
MODEL	LC-2200	NAME	Class 2 battery charger	PHOTO 
PART NO.		SPEC.	6V 1A	
Switch Power Supply; For 6V 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	0.16A@115Vac/0.11A@230Vac	Max. (RMS)
	5	AC input power	13.5W	Max.
	6	AC input static state current	30mA	Max.
	OUTPUT PROPERTY			
	1	Output voltage range	5~7.5Vdc	
	2	Output Current	1A@6Vdc	±10%
	3	Output power	7.8W	Max.
	4	Bulk charge current rating	1A	Typical
	5	Bulk charge voltage rating	7.35Vdc	±0.15Vdc
	6	Float charge voltage rating	6.8Vdc	±0.1Vdc
7	Light switching current	200mA	±50mA	
II	GENERAL CHARACTERISTICS			
	1	Efficiency	58%	Typical
	2	Over load protection	<1.5A	
	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	INDICATOR STATUS			
	1	Green LED on	Empty load or float charge	
	2	Red LED on	Bulk charge	
	3			
	4			
	5			

PREPARED BY:

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APPROVED BY:

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IV	SAFETY				
	1	Withstand Voltage (Hi-Pot)	3750Vac ≤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		
RELIABILITY					
VI	1	Spot test	Burn in 24h at 40°C	Full load	
	2	Whole test	Burn in 1h 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 profile. The left y-axis represents Charge current (A) with markers at 0A, 200mA, and 1A. The right y-axis represents Charge voltage (V) with markers at 0V, 5V, 6.8V, and 7.35V. The x-axis is divided into three phases: Constant current, Constant voltage, and Float charge. In the Constant current phase, the current is constant at 1A while the voltage rises from 0V to 5V. In the Constant voltage phase, the current decreases from 1A to 0A while the voltage remains constant at 6.8V. In the Float charge phase, the current is near 0A and the voltage rises to 7.35V.</p>				

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