


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

FILE NO.:

VERSION NO.:S-2

DATE:

SPECIFICATION				
MODEL	LC-2211	NAME	Class 2 battery charger	PHOTO 
PART NO.		SPEC.	6V 4A	
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	100~240Vac	
	3	AC input frequency	47Hz~63Hz	
	4	AC input current	0.62A@115Vac/0.3A@230Vac	Full Load
	5	AC input power	36W	Max.
	6	AC input static state current	50mA	Max.
	OUTPUT PROPERTY			
	1	Output voltage range	5V~7.5Vdc	
	2	Output Current	4A@6Vdc	±10%
	3	Output power	28W	Max.
	4	Bulk charge current rating	4A	Typical
	5	Bulk charge voltage rating	7.35Vdc	±0.15V
	6	Float charge voltage rating	6.8Vdc	±0.1V
7	Light switching current	800mA	±200mA	
II	GENERAL CHARACTERISTICS			
	1	Efficiency	70%	Typical
	2	Over load protection	<6A	
	3	Short circuit protection	Enable	
	4	Reversed polarity protection	Enable	
	5	Operating temperature	0℃~40℃	
	6	Storage temperature	-30℃~85℃	
	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:

CHECKED BY:

APPROVED BY:

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

FILE NO.:

VERSION NO.:S-2

DATE:

PECIFICATION					
MODEL	LC-2211	NAME	Class 2 battery charger	SPEC.	6V 4A
IV	SAFETY				
	1	Withstand Voltage (Hi-Pot)	$3750V_{ac} \leq 10mA$ (60s)	I/P to O/P	
	2	Insulation Resistance	$>100M\Omega @500V_{dc}$	$25^{\circ}C$ & 70%RH	
	3	Temperature Rise	$<75^{\circ}C$	Case	
	4	Safety Standard	UL1310 (E248494)		
	5	EMI/RFI Standard	Designed to meet EN55022-B		
VI	RELIABILITY				
	1	Spot test	Burn in 24h at $50^{\circ}C$	Full load	
	2	Whole test	Burn in 1h at $50^{\circ}C$	Full load	
VII	CHARGE CHARACTERISTICS				
	1	Net Weight	430g		
	2	Dimension	$138mm \times 72mm \times 42mm$	L×W×H	
	3	Enclosure	Plastic case		
VIII	CHARGER CHARACTERISTICS				
	<p>The graph plots Charge current (A) on the left y-axis (0A, 800mA, 4A) and Charge voltage (V) on the right y-axis (0V, 5V, 6.8V, 7.35V). 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 800mA to 4A while the voltage increases. In the Constant voltage phase, the current remains at 4A while the voltage rises to 7.35V. In the Float charge phase, the current drops to near 0A and the voltage drops to 6.8V.</p>				

PREPARED BY:

CHECKED BY:

APPROVED BY: