


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-2204	NAME	Class 2 battery charger	PHOTO 
PART NO.		SPEC.	12V 600mA	
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	0.16A@115Vac/0.11A@230Vac	Max. (RMS)
	5	AC input power	15.5W	Max.
	6	AC input static state current	35mA	Max.
	OUTPUT PROPERTY			
	1	Output voltage range	10~15Vdc	
	2	Output Current	600mA@12Vdc	±10%
	3	Output power	9W	Max.
	4	Bulk charge current rating	600mA	Typical
	5	Bulk charge voltage rating	14.7Vdc	±0.3Vdc
	6	Float charge voltage rating	13.65Vdc	±0.15Vdc
7	Light switching current	120mA	± 30mA	
II	GENERAL CHARACTERISTICS			
	1	Efficiency	62%	Typical
	2	Over load protection	<0.9A	
	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:

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.:

DATE:

SPECIFICATION					
MODEL	LC-2204	NAME	Class 2 battery charger	SPEC.	12V 600mA
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°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 40°C	Full load	
	2	Whole test	Burn in 1h at 40°C	Full load	
VII	MECHANICAL CHARACTERISTICS				
	1	Net Weight	205g		
	2	Dimension	82 mm*57 mm*45mm	L×W×H	
VIII	CHARGER CHARACTERISTICS				
	<p>The graph plots Charge current (A) on the left y-axis (0A, 120mA, 600mA) and Charge voltage (V) on the right y-axis (0V, 10V, 13.65V, 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 increases from 120mA to 600mA while the voltage rises. In the Constant voltage phase, the current decreases from 600mA to approximately 120mA while the voltage remains constant at 14.7V. In the Float charge phase, the current drops to near 0A and the voltage drops to 13.65V.</p>				

PREPARED BY:

CHECKED BY:

APPROVED BY: