


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

FILE NO.:

VERSION NO.:A1

DATE:

SPECIFICATION				
MODEL	LC1-12-2A	NAME	CLASS 2 BATTERY CHARGER	PHOTO 
PART NO.	LC-2124	SPEC.	12V 2A	
Switch Power Supply; For 12V lead-acid battery only.				
I	INPUT PROPERTY			
	1	AC input voltage range	85Vac~264Vac	Universal
	2	AC input voltage rating	100Vac~240Vac	
	3	AC input frequency	47Hz~63Hz	
	4	AC input current	0.50A@ 115Vac/0.26A @ 230Vac	Max. (RMS)
	5	AC input power	35W	Max.
	6	AC input static state current	35mA	Max. (RMS)
	OUTPUT PROPERTY			
	1	Output voltage range	10-15.0Vdc	
	2	Output Current	2A @ 12Vdc	±5%
	3	Output power	28W	Max.
	4	Bulk charge current rating	2A	Typical
	5	Bulk charge voltage rating	14.7Vdc	±0.3Vdc
	6	Float charge voltage rating	13.65Vdc	±0.15Vdc
7	Light switching current	400mA	±100mA	
II	GENERAL CHARACTERISTICS			
	1	Efficiency	78% (Typical)	At Max. Load
	2	Over load protection	<3A	
	3	Short circuit protection	Within 5 sec.	
	4	Reversed polarity connectors protection	Prohibit	
	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	Floating charge or empty load	
	2	Red LED on	Bulking 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.:A1

DATE:

SPECIFICATION					
MODEL	LC1-12-2A	NAME	CLASS 2 BATTERY CHARGER	SPEC.	12V 2A
IV	SAFETY				
	1	Withstand Voltage (Hi-Pot)	3750Vac 10mA (60 Sec.)	I/p to O/p	
	2	Insulation resistance	>100MΩ @ 500Vdc	25°C & 70%RH	
	3	Temperature Rise	<75°C	Enclosure	
	4	Safety Standard	UL1310/CSA (E248494)	Approved	
	5	EMI/RFI Standard	Designed to meet En55022-B		
V	RELIABILITY				
	1	Spot test	Burn in 24 hours at 40°C		
	2	Whole test	Burn in 1 hour at 40°C		
VI	MECHANICAL CHARACTERISTICS				
	1	Net Weight	470g		
	2	Dimension	138mm×72mm×42mm	L×W×H	
VII	CHARGE CHARACTERISTICS				
	<p style="text-align: center;"> Charge current (A) vs. Charge voltage (V) graph showing three stages: Constant current, Constant voltage, and Float charge. - Constant current: Current rises from 400mA to 2.0A. - Constant voltage: Voltage rises to 14.7V. - Float charge: Current drops to 0A, voltage drops to 13.65V. </p>				

PREPARED BY:

CHECKED BY:

APPROVED BY: