

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

FILE NO.:

VERSION NO.:A0

DATE:

SPECIFICATION					
MODEL	LC-2218	NAME	Class 2 battery charger	PHOTO	
PART NO.		SPEC.	12V 750mA		
Switch Power Supply; For 12V lead-acid battery only.					
INPUT PROPERTY					
I	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	0.19A@115Vac/0.13A@230Vac	Max. (RMS)	
	5	AC input power	17W	Max.	
	6	AC input static state current	35mA	Max.	
	OUTPUT PROPERTY				
	1	Output voltage range	10~15Vdc		
	2	Output Current	750mA@12Vdc	±5%	
	3	Output power	11W	Max.	
	4	Bulk charge current rating	750mA	Typical	
	5	Bulk charge voltage rating	14.7Vdc	±0.3Vdc	
	6	Float charge voltage rating	13.65Vdc	±0.15Vdc	
	7	Light switching current	150mA	±40mA	
GENERAL CHARACTERISTICS					
II	1	Efficiency	65%	Typical	
	2	Over load protection	<1.2A		
	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%		
INDICATOR STATUS					
III	1	Green LED on	Empty load or float charge		
	2	Red LED on	Bulk charge		
	3				
	4				
	5				



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IV	SAFETY				
	1	Withstand Voltage (Hi-Pot)	3000Vac \leq 10mA (60s)	I/P to O/P	
	2	Insulation Resistance	$>100M\Omega$ @500Vdc	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	82×57×45mm	L×W×H	
	3	Enclosure	Plastic case		
VIII	CHARGER CHARACTERISTICS				
	<p>The graph plots Charge current (A) on the left y-axis (0A, 150mA, 750mA) 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 rises from 150mA to 750mA. In the Constant voltage phase, the current decreases from 750mA to 150mA as the voltage rises to 14.7V. In the Float charge phase, the current drops to near 0A and the voltage stabilizes at 13.65V.</p>				