

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-1

DATE:

SPECIFICATION				
MODEL	LC-2217	NAME	Class 2 battery charger	PHOTO 
PART NO.		SPEC.	36V 1.9A	
Switch Power Supply; For 36V 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	1.45A@115Vac/0.85A@230Vac	Max. (RMS)
	5	AC input power	103W	Max.
	6	AC input static state current	75mA	Max.
	OUTPUT PROPERTY			
	1	Output voltage range	30~45Vdc	
	2	Output Current	1.9A@36Vdc	±10%
	3	Output power	88W	Max.
	4	Bulk charge current rating	1.9A	Typical
	5	Bulk charge voltage rating	44.1Vdc	±0.9Vdc
	6	Float charge voltage rating	41.0Vdc	±0.45Vdc
7	Light switching current	380mA	± 100mA	
II	GENERAL CHARACTERISTICS			
	1	Efficiency	83%	Typical
	2	Over load protection	<3A	
	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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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	610g		
	2	Dimension	158mm×90mm×52.2mm	L×W×H	
	3	Enclosure	Plastic case		
VIII	CHARGER CHARACTERISTICS				
	<p>The graph plots Charge current (A) on the left y-axis and Charge voltage (V) on the right y-axis against time. The x-axis is divided into three phases: Constant current, Constant voltage, and Float charge. In the Constant current phase, the current rises from 380mA to 1.9A while the voltage increases. In the Constant voltage phase, the current remains at 1.9A while the voltage rises to 44.1V. In the Float charge phase, the current drops to 0A and the voltage drops to 41.0V.</p>				

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