

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-2209	NAME	Class 2 battery charger	PHOTO	
PART NO.		SPEC.	24V 400mA		
Switch Power Supply; For 24V 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	0.22A@115Vac/0.13A@230Vac	Max. (RMS)	
	5	AC input power	15.5W	Max.	
	6	AC input static state current	40mA	Max.	
	OUTPUT PROPERTY				
	1	Output voltage range	20~30Vdc		
	2	Output Current	400mA@24Vdc	±10%	
	3	Output power	12W	Max.	
	4	Bulk charge current rating	400mA	Typical	
	5	Bulk charge voltage rating	29.4Vdc	±0.6Vdc	
	6	Float charge voltage rating	27.3Vdc	±0.4Vdc	
	7	Light switching current	80mA	±20mA	
GENERAL CHARACTERISTICS					
II	1	Efficiency	65%	Typical	
	2	Over load protection	<0.6A		
	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				



PREPARED BY:

CHECKED BY:

APPROVED 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	$>100M\Omega @500V_{dc}$	$25^{\circ}C$ & 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 $40^{\circ}C$	Full load	
	2	Whole test	Burn in 1h at $40^{\circ}C$	Full load	
VII	MECHANICAL CHARACTERISTICS				
	1	Net Weight	205g		
	2	Dimension	82mm*57mm*45mm	L×W×H	
VIII	CHARGER CHARACTERISTICS				
	<p style="text-align: center;"> Charge current (A) Charge voltage (V) </p> <p style="text-align: center;"> 400mA 29.4V </p> <p style="text-align: center;"> 80mA 27.3V </p> <p style="text-align: center;"> 0A 20V </p> <p style="text-align: center;"> 0V </p> <p style="text-align: center;"> ▶ Constant current ◀▶▶ ◀▶▶ Constant voltage ◀▶▶ ◀▶▶ Float charge ◀ </p>				

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