

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-2199	NAME	Class 2 battery charger	PHOTO	
PART NO.		SPEC.	12V 0.3A		
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	0.1A@115Vac/ 0.065A@230Vac	Max.(RMS)	
	5	AC input power	7.5W	Max.	
	6	AC input static state current	20mA	Max.	
	OUTPUT PROPERTY				
	1	Output voltage range	10~15Vdc		
	2	Output Current	300mA @ 12Vdc	±10%	
	3	Output power	4.5W	Max.	
	4	Bulk charge current rating	300mA	Typical	
	5	Bulk charge voltage rating	14.7Vdc	±0.3Vdc	
	6	Float charge voltage rating	13. 65Vdc	±0.15Vdc	
7	Light switching current	60mA	± 15mA		
GENERAL CHARACTERISTICS					
II	1	Efficiency	55%	Typical	
	2	Over load protection	<0.5A		
	3	Short circuit protection	Enable		
	4	Reversed polarity 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)	$3750V_{ac} \leq 10mA$ (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	162g		
	2	Dimension	$67.5mm \times 52.5mm \times 40.5mm$	L*W*H	
VIII	CHARGE CHARACTERISTICS				
	<p style="text-align: center;"> Charge current (A) Charge voltage (V) </p> <p style="text-align: center;"> 300mA Voltage 14.7V 60mA Current 13.65V 0A 10V 0V </p> <p style="text-align: center;"> ▶ Constant current ◀ Constant voltage ◀ Float charge ◀ </p>				

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