

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:

<b>SPECIFICATION</b>				
<b>MODEL</b>	LC-2194	<b>NAME</b>	Class 2 battery charger	<b>PHOTO</b> 
<b>PART NO.</b>		<b>SPEC.</b>	4V 1A	
Switch Power Supply; For 4V lead-acid battery only.				
I	<b>INPUT PROPERTY</b>			
	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	0.12A@115Vac/ 0.08A@230Vac	Max.(RMS)
	5	AC input power	9.5W	Max.
	6	AC input static state current	20mA	Max.
	<b>OUTPUT PROPERTY</b>			
	1	Output voltage range	3.3~5.0Vdc	
	2	Output Current	1A @ 4Vdc	±10%
	3	Output power	5W	Max.
	4	Bulk charge current rating	1A	Typical
	5	Bulk charge voltage rating	4.9Vdc	±0.1Vdc
	6	Float charge voltage rating	4.55Vdc	±0.05Vdc
7	Light switching current	200mA	± 50mA	
II	<b>GENERAL CHARACTERISTICS</b>			
	1	Efficiency	50%	Typical
	2	Over load protection	<1.5A	
	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%	
III	<b>INDICATOR STATUS</b>			
	1	Green LED on	Empty load or float charge	
	2	Red LED on	Bulk charge	
	3			
	4			
	5			

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IV	<b>SAFETY</b>				
	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	<b>RELIABILITY</b>				
	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	<b>MECHANICAL CHARACTERISTICS</b>				
	1	Net Weight	162g		
	2	Dimension	$67.5mm \times 52.5mm \times 40.5mm$	L*W*H	
VIII	<b>CHARGE CHARACTERISTICS</b>				
	<p style="text-align: center;"> <span style="margin-right: 100px;">Charge current (A)</span> <span>Charge voltage (V)</span> </p> <p style="text-align: center;"> <span style="margin-right: 100px;">1A</span> <span>4.9V</span> </p> <p style="text-align: center;"> <span style="margin-right: 100px;">200mA</span> <span>4.55V</span> </p> <p style="text-align: center;"> <span style="margin-right: 100px;">0A</span> <span>3.3V</span> </p> <p style="text-align: center;"> <span style="margin-right: 100px;">0V</span> </p> <p style="text-align: center;"> <span style="margin-right: 100px;">Constant current</span> <span>Constant voltage</span> <span>Float charge</span> </p>				

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