

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-2208	<b>NAME</b>	Class 2 battery charger	<b>PHOTO</b>	
<b>PART NO.</b>		<b>SPEC.</b>	24V 300mA		
Switch Power Supply; For 24V lead-acid battery only.					
<b>INPUT PROPERTY</b>					
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	0.16A@115Vac/0.13A@230Vac	Max. (RMS)	
	5	AC input power	14W	Max.	
	6	AC input static state current	40mA	Max.	
	<b>OUTPUT PROPERTY</b>				
	1	Output voltage range	20~30Vdc		
	2	Output Current	300mA@24Vdc	±10%	
	3	Output power	8.5W	Max.	
	4	Bulk charge current rating	300mA	Typical	
	5	Bulk charge voltage rating	29.4Vdc	±0.6Vdc	
	6	Float charge voltage rating	27.3Vdc	±0.4Vdc	
	7	Light switching current	60mA	±15mA	
<b>GENERAL CHARACTERISTICS</b>					
II	1	Efficiency	55%	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%		
<b>INDICATOR STATUS</b>					
III	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	205g		
	2	Dimension	82mm*57mm*45mm	L×W×H	
	3	Enclosure	Plastic case		
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;">300mA</span> <span>29.4V</span> </p> <p style="text-align: center;"> <span style="margin-right: 100px;">60mA</span> <span>27.3V</span> </p> <p style="text-align: center;"> <span style="margin-right: 100px;">0A</span> <span>20V</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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