


深圳市迈科盛电源技术有限公司  
Shenzhen Marxon Power Supply Co. Ltd.

FILE NO.:

VERSION NO.:A1

DATE:

<b>SPECIFICATION</b>				
<b>MODEL</b>	LC1-12-3A	<b>NAME</b>	CLASS 2 BATTERY CHARGER	<b>PHOTO</b> 
<b>PART NO.</b>	LC-2125	<b>SPEC.</b>	12V 3A	
Switch Power Supply; For 12V lead-acid battery only.				
I	<b>INPUT PROPERTY</b>			
	1	AC input voltage range	85Vac~264Vac	Universal
	2	AC input voltage rating	100Vac~240Vac	
	3	AC input frequency	47Hz~63Hz	
	4	AC input current	0.8A@ 115Vac/0.4A @ 230Vac	Max. (RMS)
	5	AC input power	56W	Max.
	6	AC input static state current	35mA	Max. (RMS)
	<b>OUTPUT PROPERTY</b>			
	1	Output voltage range	10-15.0Vdc	
	2	Output Current	3A@12Vdc	± 10%
	3	Output power	42W	Max.
	4	Bulk charge current rating	3A	Typical
	5	Bulk charge voltage rating	14.7Vdc	± 0.3Vdc
	6	Float charge voltage rating	13.65Vdc	± 0.15Vdc
7	Light switching current	600mA	± 150mA	
II	<b>GENERAL CHARACTERISTICS</b>			
	1	Efficiency	75%	At Max. Load
	2	Over load protection	<4.5A	
	3	Short circuit protection	Within 5 sec.	
	4	Reversed polarity connectors protection	Prohibit	
	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	Floating charge or empty load	
	2	Red LED on	Bulk charge	
	3			
	4			
	5			

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IV	<b>SAFETY</b>				
	1	Withstand Voltage (Hi-Pot)	3000Vac 10mA (60 Sec.)	I/p to O/p	
	2	Insulation resistance	>100MΩ @ 500Vdc	25°C & 70%RH	
	3	Temperature Rise	<75°C	Enclosure	
	4	Safety Standard	UL1310 (E248494)	Approved	
	5	EMI/RFI Standard	Designed to meet En55022-B		
V	<b>RELIABILITY</b>				
	1	Spot test	Burn in 24 hours at 40°C		
	2	Whole test	Burn in 1 hour at 40°C		
VI	<b>MECHANICAL CHARACTERISTICS</b>				
	1	Net Weight	470g		
	2	Dimension	138mm×72mm×42mm	L×W×H	
VII	<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;">3.0A</span> <span>14.7V</span> </p> <p style="text-align: center;"> <span style="margin-right: 100px;">600mA</span> <span>13.65V</span> </p> <p style="text-align: center;"> <span style="margin-right: 100px;">0A</span> <span>10V</span> </p> <p style="text-align: center;"> <span style="margin-right: 100px;">0A</span> <span>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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