


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

FILE NO.:

VERSION NO.S-2

DATE:

<b>SPECIFICATION</b>				
<b>MODEL</b>	LC5-12-10A	<b>NAME</b>	CLASS 2 BATTERY CHARGER	<b>PHOTO</b> 
<b>PART NO.</b>	LC-2151	<b>SPEC.</b>	12V 10A	
This charger is used for charging 12V Lead-Acid rechargeable battery only, other type of battery may burst causing injury to persons and damage.				
I	<b>INPUT PROPERTY</b>			
	1	AC input voltage range	90Vac~132Vac/185Vac~264Vac	
	2	AC input voltage rating	100Vac~120Vac/200Vac~240Vac	
	3	AC input frequency	60Hz/50Hz	
	4	AC input current	2.5 @ 115Vac/1.2A@ 230Vac	Max. (RMS)
	5	AC input power	180W	Max.
	6	AC input static state current	0.05A	Max. (RMS)
	<b>OUTPUT PROPERTY</b>			
	1	Output voltage range	10.0-15.0Vdc	
	2	Output Current	10A @ 12Vdc	± 10%
	3	Output power	150W	Max.
	4	Bulk charge current rating	10A	Typical
	5	Bulk charge voltage rating	14.7Vdc	±0.3Vdc
	6	Float charge voltage rating	13.65Vdc	±0.15Vdc
7	Light switching current	2.0A	±0.5A	
II	<b>GENERAL CHARACTERISTICS</b>			
	1	Efficiency	80% (Typical)	At Max. Load
	2	Over load protection	<15A	
	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%	
III	<b>INDICATOR STATUS</b>			
	1	Red LED on	Power on	
	2	Orange LED on	Bulking charge	
	3	Green LED on	Floating charge or empty load	
	4			
	5			

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MODEL	LC5-12-10A	NAME	CLASS 2 BATTERY CHARGER	SPEC.	12V 10A
IV	<b>SAFETY</b>				
	1	Withstand Voltage (Hi-Pot)	3000Vac 10mA (60 Sec.)	I/p to O/p	
	2	Insulation resistance	More than 100MΩ at 500Vdc	25°C & 70%RH	
	3	Temperature Rise	<45°C	Enclosure	
	4	Safety Standard	Designed to meet UL1012/CSA		
	5	EMI/RFI Standard	Designed to meet CE Class B	EN55022-B	
VI	<b>RELIABILITY</b>				
	1	Spot test	Burn in 24 hours at 40°C	Full load	
	2	Whole test	Burn in 2 hour at 40°C	Full load	
VII	<b>MECHANICAL CHARACTERISTICS</b>				
	1	Net Weight	1.5Kg		
	2	Dimension	208mm×130mm×82mm	L×W×H	
VIII	<b>CHARGER 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;">10A</span> <span>14.7V</span> </p> <p style="text-align: center;"> <span style="margin-right: 100px;">2.0A</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;">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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