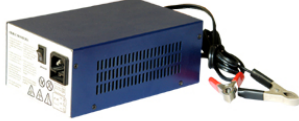


深圳市迈科盛电源技术有限公司
Shenzhen Marxon Power Supply Co. Ltd.

FILE NO.:

VERSION NO.:

DATE:

SPECIFICATION				
MODEL	LC5—24-7A	NAME	Class 2 battery charger	PHOTO 
PART NO.	LC-2154	SPEC.	24V 7A	
Switch Power Supply; For 24V lead-acid battery only.				
I	INPUT PROPERTY			
	1	AC input voltage range	90Vac~132Vac/185Vac~264Vac	Universal
	2	AC input voltage rating	100Vac~120Vac/200Vac~240Vac	
	3	AC input frequency	47Hz~63Hz	
	4	AC input current	4A@115Vac/2 A@230Vac	Max. (RMS)
	5	AC input power	370W	Max.
	6	AC input static state current	0.10A	Max.
	OUTPUT PROPERTY			
	1	Output voltage range	20~30.0Vdc	
	2	Output Current	7A@24Vdc	±10%
	3	Output power	300W	Max.
	4	Bulk charge current rating	7A	Typical
	5	Bulk charge voltage rating	29.4Vdc	±0.6Vdc
	6	Float charge voltage rating	27.3 Vdc	±0.3Vdc
7	Light switching current	1. 5 A	±400mA	
II	GENERAL CHARACTERISTICS			
	1	Efficiency	80%	Typical
	2	Over load protection	<10A	
	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	INDICATOR STATUS			
	1	Red LED on	Power on	
	2	Orange LED on	Bulk charge	
	3	Green LED on	Floating charge or empty load	
	4			
	5			

PREPARED BY:

CHECKED BY:

APPROVED BY:

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SPECIFICATION					
MODEL	LC5-24-7A	NAME	Class 2 battery charger	SPEC.	24V 7A
IV	SAFETY				
	1	Withstand Voltage (Hi-Pot)	3000Vac ≤10mA (60s)	I/P to O/P	
	2	Insulation Resistance	>100MΩ @500Vdc	25℃ &70%RH	
	3	Temperature Rise	<75℃	Enclosure	
	4	Safety Standard	Designed to meet UL1012/CSA		
	5	EMI/RFI Standard	Designed to meet CE Class B	EN55022-B	
	RELIABILITY				
VI	1	Spot test	Burn in 24h at 40℃	Full load	
	2	Whole test	Burn in 2h at 40℃	Full load	
	3				
VII	MECHANICAL CHARACTERISTICS				
	1	Net Weight	1.5Kg		
	2	Dimension	208×130×82mm	L×W×H	
	3	Enclosure	Metal case		
VIII	CHARGE CHARACTERISTICS				
	<div style="text-align: center;">A</div> <p>The graph plots Charge current (A) on the left y-axis (0A to 7A) and Charge voltage (V) on the right y-axis (0V to 29.4V). The x-axis represents time, divided into three phases: Constant current, Constant voltage, and Float charge. In the Constant current phase, the current rises from 1.5A to 7A while the voltage increases from 20V. In the Constant voltage phase, the current remains at 7A while the voltage rises to 29.4V. In the Float charge phase, the current drops to approximately 0.5A and the voltage remains constant at 27.3V.</p>				

PREPARED BY:

CHECKED BY:

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