


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:

SPECIFICATION				
MODEL	LC3-24-2A	NAME	Class 2 battery charger	PHOTO 
PART NO.	LC-2145	SPEC.	24V 2A	
Switch Power Supply; For 24V lead-acid battery only.				
I	INPUT PROPERTY			
	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	0.938A@110Vac/0.532A@230Vac	Max.(RMS)
	5	AC input power	66W	Max.
	6	AC input static state current	40mA	Max.
	OUTPUT PROPERTY			
	1	Output voltage range	20.0~30Vdc	
	2	Output Current	1.8A @ 24Vdc	±10%
	3	Output power	56.4W	Max.
	4	Bulk charge current rating	1.8A	Typical
	5	Bulk charge voltage rating	29.4Vdc	±0.6Vdc
	6	Float charge voltage rating	27.3Vdc	±0.3Vdc
7	Light switching current	360mA	±90mA	
II	GENERAL CHARACTERISTICS			
	1	Efficiency	80%	Typical
	2	Over load protection	<3A	
	3	Short circuit protection	Within 5s	
	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	INDICATOR STATUS			
	1	Green LED on	Empty load or float charge	
	2	Red LED on	Bulk charge	
	3			
	4			
	5			

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IV	SAFETY				
	1	Withstand Voltage (Hi-Pot)	3000Vac ≤10mA (60s)	I/P to O/P	
	2	Insulation resistance	>100MΩ @ 500Vdc	25°C & 70%RH	
	3	Temperature Rise	<75°C	Case	
	4	Safety Standard	UL1310 (E248494)	Approved	
	5	EMI/RFI Standard	Designed to meet En55022-B		
V	RELIABILITY				
	1	Spot test	Burn in 24h at 40°C	Full load	
	2	Whole test	Burn in 1h at 40°C	Full load	
VI	MECHANICAL CHARACTERISTICS				
	1	Net Weight	470g		
	2	Dimension	138mm×72mm×42mm	L×W×H	
VII	CHARGER CHARACTERISTICS				
	<p style="text-align: center;"> Charge current (A) Charge voltage (V) </p> <p style="text-align: center;"> 1.8A 29.4V </p> <p style="text-align: center;"> 360mA 27.3V </p> <p style="text-align: center;"> 0A 20V </p> <p style="text-align: center;"> 0V </p> <p style="text-align: center;"> Constant current Constant voltage Float charge </p>				

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