


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-1

DATE:

SPECIFICATION				
MODEL	LC4-24-3A	NAME	Class 2 battery charger	PHOTO 
PART NO.		SPEC.	24V 3A	
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	1.45A@115Vac/0.85A@230Vac	Max. (RMS)
	5	AC input power	103W	Max.
	6	AC input static state current	75mA	Max.
	OUTPUT PROPERTY			
	1	Output voltage range	20~30Vdc	
	2	Output Current	3 A@24Vdc	±10%
	3	Output power	88W	Max.
	4	Bulk charge current rating	3A	Typical
	5	Bulk charge voltage rating	29.4Vdc	±0.6Vdc
	6	Float charge voltage rating	27.3Vdc	±0.3Vdc
7	Light switching current	600mA	±150mA	
II	GENERAL CHARACTERISTICS			
	1	Efficiency	83%	Typical
	2	Over load protection	<4.5A	
	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	Green LED on	Empty load or float charge	
	2	Red LED on	Bulk charge	
	3			
	4			
	5			

PREPARED BY:

CHECKED BY:

APPROVED BY:

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SPECIFICATION					
MODEL	LC-2228	NAME	Class 2 battery charger	SPEC.	24V 3A
IV	SAFETY				
	1	Withstand Voltage (Hi-Pot)	3000Vac \leq 10mA (60s)	I/P to O/P	
	2	Insulation Resistance	$>100M\Omega$ @500Vdc	25°C &70%RH	
	3	Temperature Rise	$<75^{\circ}C$	Case	
	4	Safety Standard	Designed to meet UL1310		
	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 2h at 40°C	Full load	
VI	MECHANICAL CHARACTERISTICS				
	1	Net Weight	610g		
	2	Dimension	158mm×90mm×52.2mm	L×W×H	
VII	CHARGER CHARACTERISTICS				
	<p style="text-align: center;"> Charge current (A) Charge voltage (V) </p> <p style="text-align: center;"> 3A 29.4V </p> <p style="text-align: center;"> 600mA 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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