


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

FILE NO.:

VERSION NO.: A0

DATE: 2009-01-06

SPECIFICATION					
MODEL	LC-2213 (Three Colour LED)	NAME	CLASS 2 BATTERY CHARGER	PHOTO	
PART NO.		SPEC.	12V 4A		
Switch Power Supply; For 12V lead-acid battery only.					
I	INPUT PROPERTY				
	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	1.1A@ 115Vac/0.65A @ 230Vac	Max. (RMS)	
	5	AC input power	72W	Max.	
	6	AC input static state current	100mA	Max. (RMS)	
	OUTPUT PROPERTY				
	1	DC Output voltage range	8~15.0Vdc		
	2	DC Output Current	4A @ 12Vdc	± 5%	
	3	DC Output power	58W	Max.	
	4	Bulk charge current rating	4A	Typical	
	5	Bulk charge voltage rating	14.7Vdc	± 0.2Vdc	
	6	Float charge voltage rating	13.8Vdc	± 0.15Vdc	
	7	Float switching current	500mA	± 100mA	
	8	Constant current And Constant voltage charge Time	12H(Max)	± 15Min	
II	GENERAL CHARACTERISTICS				
	1	Efficiency	80% (Typical)	At Max. Load	
	2	Over load protection	<6A		
	3	Output under voltage protection	8V	± 10%	
	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	Full charged or empty load		
	2	Red LED on	Bulk charge		
	3	Yellow LED on	90% charged		
	4	Red and Green Flashing	Short or Reversed polarity connector		

PREPARED BY:

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APPROVED BY:

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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	Enclosure	
	4	Safety Standard	CE LVD EN60335	Approved	
	5	EMI/RFI Standard	Designed to meet EN55014	Class B	
V	RELIABILITY				
	1	Spot test	Burn in 24 hours at 40°C		
	2	Whole test	Burn in 2 hour at 40°C		
VI	MECHANICAL CHARACTERISTICS				
	1	Net Weight	430g		
	2	Dimension	138mm×72mm×42mm	L×W×H	
	3	Enclosure	Plastic case		
VII	CHARGER CHARACTERISTICS				
	<p style="text-align: center;"> Charge current (A) Charge voltage (V) </p> <p style="text-align: center;"> 4A 14.7V </p> <p style="text-align: center;"> 500mA 13.8V </p> <p style="text-align: center;"> 0A 10V </p> <p style="text-align: center;"> 0A 0V </p> <p style="text-align: center;"> Constant current Constant voltage Float charge </p> <p style="text-align: center;"> 12H Max ± 15Min 6H </p> <p style="text-align: center;"> Red Yellow Green </p>				

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