



EXTRACELL

DATE:2016-12-28

SPECIFICATION

MODEL	LC-2228	NAME	Class 2 battery charger	PHOTO	
PART NO.		SPEC.	24V 3A		
Switch Power Supply; For 24V lead-acid battery or 24V GEL battery					
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	RMS	
	5	AC input power	103W	Max.	
	6	AC input static state current	75mA	Max.	
	OUTPUT PROPERTY				
	1	Output voltage range	16~30Vdc		
	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	27.45Vdc	±0.45Vdc	
	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	Start low voltage protection	16V	±2V	
	6	Operating temperature	0℃~40℃		
	7	Storage temperature	-30℃~85℃		
	8	Operating relative humidity	8%~90%		
	9	Storage relative humidity	5%~95%		
III	INDICATOR STATUS				
	1	Green LED on	Float charge		
	2	Green LED flashing	Power on & Empty load		
	3	Red LED on	Bulk charge		
	4	Red LED flashing	Short circuit or reversed polarity connectors protection		

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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℃ &70%RH	
	3	Temperature Rise		<75℃			Case	
	4	Safety Standard		UL1310 (E248494)				
	5	EMI/RFI Standard		Designed to meet En55022-B				
	RELIABILITY							
V	1	Spot test		Burn in 24h at 40℃			Full load	
	2	Whole test		Burn in 1h at 40℃			Full load	
	3							
VI	MECHANICAL CHARACTERISTICS							
	1	Net Weight		810g				
	2	Dimension		165*95*60mm			±1mm	
	3	Enclosure		Plastic case				
VII	CHARGER CHARACTERISTICS							
	<div><div><div>Charge current (A)</div><div><div><div>3A</div><div>0.6A</div><div>0A</div></div><div><div>Constant current</div><div>Constant voltage</div><div>Float charge</div></div></div><div><div><div>Charge voltage (V)</div><div><div>29.4V</div><div>27.45V</div><div>16V</div><div>0V</div></div><div><div>Voltage</div><div>Current</div></div></div></div></div></div>							