



EXTRACELL

Battery charger 24V 1,0A

DATE:2012-03-16

SPECIFICATION

MODEL		LC-2214	NAME	CLASS 2 BATTERY CHARGER	PHOTO	
PART NO.			SPEC.	24V 1A		
Switch Power Supply; For 24V lead-acid battery AGM or 24V GEL battery.						
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		0.35A@ 115Vac/0.18A @ 230Vac	Max. (RMS)	
	5	AC input power		35W	Max.	
	6	AC input static state current		50mA	Max. (RMS)	
	OUTPUT PROPERTY					
	1	DC Output voltage range		20~30Vdc		
	2	DC Output Current		1A @ 24Vdc	± 10%	
	3	DC Output power		29W	Max.	
	4	Bulk charge current rating		1.0A	Typical	
	5	Bulk charge voltage rating		29.4Vdc	± 0.6Vdc	
	6	Float charge voltage rating		27.45Vdc	± 0.45Vdc	
	7	Light switching current		200mA	± 50mA	
II	GENERAL CHARACTERISTICS					
	1	Efficiency		78% (Typical)	At Max. Load	
	2	Over load protection		<1.5A		
	3	Short circuit protection		Enable		
	4	Reversed polarity connectors protection		Enable		
	5	Operating temperature		0℃~40℃		
	6	Storage temperature		-30℃~85℃		
	7	Operating relative humidity		8%~90%		
	8	Storage relative humidity		5%~95%		
III	INDICATOR STATUS					
	1	Green LED on		Floating charge or empty load		
	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℃ & 70%RH	
	3	Temperature Rise		<75℃			Enclosure	
	4	Safety Standard		UL1310 (E248494)			Approved	
	5	EMI/RFI Standard		Designed to meet EN55022-B				
	RELIABILITY							
VI	1	Spot test		Burn in 24 hours at 40℃				
	2	Whole test		Burn in 2 hour at 40℃				
	3							
VII	MECHANICAL CHARACTERISTICS							
	1	Net Weight		430g				
	2	Dimension		138mm×72mm×42mm			L×W×H	
	3	Enclosure		Plastic case				
VIII	CHARGER CHARACTERISTICS							
	<div><div><div><div><div>Charge current (A)</div><div>1.0A</div><div>200mA</div><div>0A</div></div><div><div>Charge voltage (V)</div><div>29.4V</div><div>27.45V</div><div>20V</div><div>0V</div></div></div><div><div><div><div><div>Voltage</div><div>Current</div></div><div><div>Constant current</div><div>Constant voltage</div><div>Float charge</div></div></div><div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div></div></div></div></div></div>							