
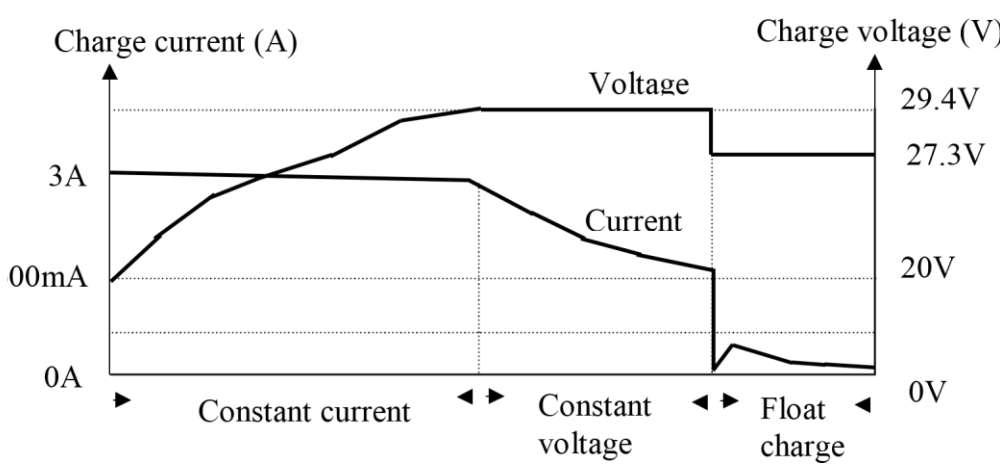


SPECIFICATION				
MODEL	LC4-24-3A	NAME	Class 2 battery charger	PHOTO 
PART NO.		SPEC.	24V 3A	
Switch Power Supply; For 24V lead-acid battery only.				
I	INPUT PROPERTY			
	1	AC input voltage range	90Vac~264Vac	Universal
	2	AC input voltage rating	100Vac~240Vac	
	3	AC input frequency	47Hz~63Hz	
	4	AC 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			

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IV	SAFETY				
	1	Withstand Voltage (Hi-Pot)	3000Vac \leq 10mA (60s)	I/P to O/P	
	2	Insulation Resistance	>100M Ω @500Vdc	25°C & 70%RH	
	3	Temperature Rise	<75°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 \times 90mm \times 52.2mm	L \times W \times H	
	3	Enclosure	Plastic case		
VII	CHARGER CHARACTERISTICS				
	 <p>The graph illustrates the charging profile of the LC4-24-3A charger. It shows two curves: Charge current (A) on the left y-axis and Charge voltage (V) on the right y-axis. The x-axis represents time, divided into three stages: Constant current, Constant voltage, and Float charge. In the Constant current phase, the current is constant at 3A while the voltage rises from 20V to 29.4V. In the Constant voltage phase, the current decreases as the voltage remains constant at 29.4V. In the Float charge phase, the current drops to 0A and the voltage remains constant at 27.3V.</p>				