


SPECIFICATION

MODEL	LC-2307	NAME	Class 2 battery charger	PHOTO	
PART NO.		SPEC.	12V 1A		
Switch Power Supply; For 12V 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	0.3A@115Vac/0.19A@230Vac	Max. (RMS)
	5	AC input power	22W	Max.
	6	AC input static state current	30mA	Max.
	OUTPUT PROPERTY			
	1	Output voltage range	10~14.2Vdc	
	2	Output Current	1A@12Vdc	±10%
	3	Output power	14W	Max.
	4	Bulk charge current rating	1A	Typical
	5	Bulk charge voltage rating	14.0Vdc	±0.2Vdc
	6	Float charge voltage rating	13.5Vdc	±0.15Vdc
7	Light switching current	200mA	±50mA	
II	GENERAL CHARACTERISTICS			
	1	Efficiency	68%	Typical
	2	Over load protection	<1.5 A	
	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	
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V	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	

RELIABILITY				
IV	1	Spot test	Burn in 24h at 40°C	Full load
	2	Whole test	Burn in 2h at 40°C	Full load
	3			

MECHANICAL CHARACTERISTICS				
VI	1	Net Weight	160g	
	2	Dimension	83×58×50mm	L×W×H
	3	Enclosure	Plastic case	

