

LEOCH BATTERY PTE. LTD


NO.1 TECH PARK CRESCENT SINGAPORE 638131

FILE NO.: LC-2701-GGS (CEC)

VERSION NO.:A/0

DATE:2014-9-15

SPECIFICATION

MODEL	LC12-1000-2701	NAME	Class 2 battery charger		PHOTO	
PART NO.		SPEC.	12V 10A/6A/2A 6V 10A/6A/2A			
Switch Power Supply; For 12V or 6V lead-acid battery only.						
I	INPUT PROPERTY					
	1	AC input voltage range	90Vac~132Vac/185~264Vac		Universal	
	2	AC input voltage rating	100Vac~120Vac/200Vac~240Vac			
	3	AC input frequency	50Hz/60Hz			
	4	AC input current	3A@115Vac/1.5A@230Vac		Max. (RMS)	
	5	AC input power	190W		Max.	
	6	AC input static state current	0.1A		Max.	
	OUTPUT PROPERTY					
	1	Output voltage range	3~15.5Vdc		Typical	
	2	Bulk charge Current rating	10A@12Vdc/6Vdc		±1A	
			6A@12Vdc/6Vdc		±0.6A	
			2A@12Vdc/6Vdc		±0.3A	
	3	Output power	150W		Max.	
	4	Bulk charge voltage rating	12V	STD 14.8 Vdc@20°C		±0.15Vdc
				AGM 14.55 Vdc@20°C		
GEL 14.2 Vdc@20°C						
6V			STD 7.4 Vdc@20°C		±0.15Vdc	
			AGM 7.28 Vdc@20°C			
			GEL 7.1 Vdc@20°C			
5	Battery repair voltage rating	12V	15.5V		±0.2Vdc	
		6V	7.75V			
6	Float charge voltage rating	12V	13.65Vdc		±0.2Vdc	
		6V	6.8Vdc			
7	Light switching current	500mA		300-700mA		
8	Temperature compensate	0.005Vdc/cell/°C		Typical		
GENERAL CHARACTERISTICS						
II	1	Efficiency	75%		Typical	
	2	Over load protection	<12A			
	3	Short circuit protection	Enable			
	4	Reversed polarity protection	Enable			
	5	Operating temperature	-20°C~45°C			
	6	Storage temperature	-30°C~85°C			
	7	Operating relative humidity	8%~90%			
	8	Storage relative humidity	5%~95%			
INDICATOR STATUS						
III	1	Green LED on	Full charge			
	2	Orange LED on	Charging			

PREPARED BY: 刘泞波 2014-10-16 CHECKED BY: 师勇 2014-10-16 APPROVED BY: 熊敏 2014-10-20

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IV	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	ETL		
	5	EMI/RFI Standard	Designed to meet FCC		
VI	RELIABILITY				
	1	Spot test	Burn in 24h at 40°C	Full load	
	2	Whole test	Burn in 1h at 40°C	Full load	
VII	MECHANICAL CHARACTERISTICS				
	1	Net Weight	1000g		
	2	Dimension	218*203*99mm		
	3	Enclosure	Plastic case		
VIII	CHARGE CHARACTERISTICS				

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