

GUDY ELECTRONICS LTD

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Specification			
ISSUE DATE:	2016/3/14		
COMMON/UN	DOC.NO:		REV: 2.0
1 cell 2000mA LiFePO4 battery charger			

NO	ITEM	UNIT	SPECIFICATION
INPUT			
	Rating Input Voltage	V ac	100~240Vac 50/60Hz
	Input voltage range	V ac	90~264Vac
	Rating Input Current	A	0.2Arms
	Max. input power	W	16
OUTPUT			
	Rating output voltage	V dc	3.65V
	Output voltage range	V dc	3VDC ~ 3.65VDC
	Suitable for Battery type		3.2V Li iron phosphate cell or cells in parallel
	Constant Charge current	A	2 A (+0.15A)
	Constant Voltage	V	3.65V (+0.1V)
	Charge end current	A	<0.1
	Typical charge time	hour	1~1.5hours
	Max. output power	W	13.2W
	Hold-on time	ms	20
	Ripple current	mA	50
	Charge finish condition		V>7.3V + I<0.1A
	LED color		Red: charging Green: finish/idle
	Output short-circuit protect		Yes
	Efficiency	%	>70%
Environmen			
	Operate temperature	C	-10 ~ +40
	Operate humidity	%RH	< +90
	Storage temperature	C	-40 ~ +70

	Storage humidity	%RH	0 ~ +95
	Cooling		Natural convection
	Temperature factor	%	
	Vibration resistance		5MM/50HZ/600S
	Impact resistance		1 meter drop test >= 3 times
Mechanical			
	Weight	g	120 grams
	Size	mm	81x43x40 mm
	Connectors		5.5 x 2.1 mm barrel, others available on special order in quantity, adapter plugs available
Safety			
	Max. temperature rise	C	< 40 on casing
	Safety standards	cUL, CE	GB4943 UL1950 EN60950
	EMC standard		EN55022 B
	MTBF	hrs	30000
	Limited power source	VA	50
	ESD	kV	8
	Hi-Pot Insulation	V	i/p to o/p: 3000 (1 min.)

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REMARK
Test Conditions: INPUT:220V OUTPUT:Full load
Test Conditions: For 2 Ah Li iron phosphate pack
Test Conditions: Input: 220Vac Output: Full load
Test Conditions: At max. load
Full load & natural convection.
Relative humidity, non- condensing.

Relative humidity, non-condensing.
Non-operating condition.
Non-operating condition.
Case only
At any line and Max. Load
For final unit, cut-off current =10mA