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Specification				
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COMMON/UNITE	DOC.NO:		REV: 2.0	PAGE:2 OF2
1 cell 800mA LiFePO4 battery charger				
NO	ITEM	UNIT	SPECIFICATION	REMARK
INPUT				
	Rating Input Voltage	V ac	100~240Vac 50/60Hz	
	Input voltage range	V ac	90~264Vac 45 - 65 Hz	
	Rating Input Current	A	0.1Arms	Test Conditions: INPUT:220V OUTPUT:Full load
	Power Factor		0.7 at 120VAC, 0.6 at 230 VAC	
	Maximum input power	W	20	
OUTPUT				
	Rating output voltage	V dc	3.65V	
	Output voltage range	V dc	2VDC ~ 3.65VDC	
	Suitable for Battery type		3.2V Li iron phosphate	
	Constant Charge current	A	0.8 A (+0.15A)	
	Constant Voltage	V	3.65V (+0.1V)	
	Charge end current	A	<0.1	
	Typical charge time	hour	1~1.5hours	Test Conditions: For 1.5Ah Li iron phosphate pack
	Max. output power	W	3W	
	Hold-on time	ms	20	
	Ripple current	mA	50	Test Conditions: Input: 220Vac Output: Full load
	Charge finish condition		V>3.65V + I<0.1A	
	LED color		Red: charging Green: finish/idle	
	Output short-circuit protect		Yes	
	Efficiency	%	>70%	Test Conditions: At max. load
Environment				
	Vibration resistance		5MM/50HZ/600S	Non-operating condition.
	Operating humidity	%RH	< 90	Relative humidity, non-condensing.
	Operating temperature	C	-10 ~ +40	Full load & natural convection.
	Impact resistance		1 meter drop test >= 3 times	Non-operating condition.
	Storage temperature	C	-40 ~ +70	
	Storage humidity	%RH	0 ~ +95	Relative humidity, non-condensing.
Mechanical				
	Cooling		Natural convection	
	Weight	g	100 grams	3.5 Oz
	Size	mm	81x43x40 mm	Case only

	Connectors		5.5 x 2.1 mm barrel, others available on special order in quantity, adapter plugs available (see below)	
Safety				
	MTBF	hrs	30000	
	Max. temperature rise	C	< 40 on casing	At any line and Max. Load
	EMC standard		EN55022 B	
	Hi-Pot Insulation	V	i/p to o/p: 3000 (1 min.)	For final unit, cut-off current =10mA
	Limited power source	VA	50	
	ESD	kV	8	
	Safety standards	cUL, CE	GB4943 UL1950 EN60950	