



Specification Approval Sheet

Name: Li-ion/LiPO battery charger

Model: 01338

SPEC: 37V 2Ah

Approved By	Checkup	Make

Customer Confirmation	Signature	Date
	Company Name :	
	Stamp :	

436 Kato Terrace, Fremont, CA 94539 U.S.A.

Tel: 510.687.0388 Fax: 510.687.0328

www.TenenergyBattery.com



Products Specification

37.0V 2.0A Li-ion battery charger				
Smart 2-Stages Li-ion Battery charger				
	ITEM	UNIT	SPECIFICATION	REMARK
INPUT				
01	Rating Input Voltage	V ac	110~240Vac 50-60Hz	
02	Input voltage range	V ac	100~264Vac	
03	Rating Input Current	A	1.0Arms	220Vac
04	Max.input power	W	105W	
OUTPUT				
05	Rating output voltage	V dc	42.0V	
06	Output voltage range	V dc	0VDC~42.0VDC	
07	Suit with Battery type		37.0V Li-ion battery charger and capacity>2000mAh	
08	Charging current(stage1)	A	2.0±0.2	
09	Charging voltage(stage2)	V	41.8-42.5V	
10	Cut-off current(stage1→2)	A	0.15-0.25A	
11	Typical charging time	hour	Fast charge 2hours Slow charge 5hours	
12	Max.output power	W	84.0W	
13	Hold-on time	ms	NC	Input:220Vac Output:Full load
14	Ripple current	mA	300	Input:220Vac Output:Full load
15	Charge finish condition		I<0.25A	
16	LED color		Red:charging Green:finish/idle	
17	Output protect	-	OCP&OVP&Polarity error protection	
18	Efficiency	%	80%(Typical)	At max.load
Environment				
19	Operate temperature	℃	0~+40	Full load&natural convection
20	Operate humidity	%RH	20~90	Relative humidity,non-condensing.
21	Storage temperature	℃	-40~+70	
22	Storage humidity	%RH	10~95	Relative humidity,non-condensing.
23	Cooling	-	Fan force cooling only when charging	
24	Temperature factor	%	--	
25	Vibration resistance		5MM/50HZ/600S	Non-operating condition.
26	Impact resistance		1 meter drop test>=3 times	Non-operating condition.
Mechanical				



Tenergy Corporation

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27	Weight	g	450	
28	Size	mm	152.5*63.0*45.0	Casing only
29	Connectors	-	Defined when order	
<i>Safety</i>				
30	Max.temperature rise	°C	<40 on casing	At any line and Max.Load
31	Safety standards	-	EN60335-2-29	
32	EMC standard	-	EN55014	
33	MTBF	hrs	40000	
34	Limited power source	VA	-	
35	ESD	Kv	8.0	
36	Hi-Pot Insulation	v	Input to Output:3000Vac(1 min.)	For final nuit,cut-off current=10mA

