

## Products Specification

### 14.8V 1.5A Li-ion battery charger

#### SPECIFICATION

#### PREPARE

#### CHECK

#### APPROVE

MODEL:	F148-015-D	Rain	Steven	Wilstar
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COMMON/UNITE	DOC.NO:		REV: 1.0	PAGE:1 OF 1

#### Smart 2-Stages Li-ion Battery charger

#### ITEM

#### UNIT

#### SPECIFICATION

#### REMARK

#### INPUT

01	Rating Input Voltage	V ac	100~240Vac 50-60Hz	
02	Input voltage range	V ac	90~264Vac	
03	Rating Input Current	A	0.3Arms	220Vac
04	Max.input power	W	31.5W	

#### OUTPUT

05	Rating output voltage	V dc	16.8V	
06	Output voltage range	V dc	0VDC~16.8VDC	
07	Suit with Battery type		14.8V Li-ion battery charger and capacity>1500mAh	
08	Charging current(stage1)	A	1.5±0.15	
09	Charging voltage(stage2)	V	16.6-16.9V	
10	Cut-off current(stage1→2)	A	0.10-0.20A	
11	Typical charging time	hour	Fast charge 2hours Slow charge 5hours	
12	Max.output power	W	25.2W	
13	Hold-on time	ms	NC	Input:220Vac Output:Full load
14	Ripple current	mA	150	Input:220Vac Output:Full load
15	Charge finish condition		I<0.20A	
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	-	Natural convection	
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

27	Weight	g	350	
28	Size	mm	120.0*60.0*38.0	Casing only
29	Connectors	-	Defined when order	

#### Safety

30	Max.temperature rise	℃	<40 on casing	At any line and Max.Load
31	Safety standards	-	UL1310,CE(EN60335-2-29) ,SAA	
32	EMC standard	-	FCC,CE(EN55014),C-TICK	
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