

# Products Specification

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SPECIFICATION		PREPARE	CHECK	APPROVE
MODEL:				
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COMMON/UNITE	DOC.NO:		REV: 1.0	PAGE:1 OF 1

### 12V 1.5A Smart 3-Stages SLA Battery charger

	ITEM	UNIT	SPECIFICATION	REMARK
<b>INPUT</b>				
01	Rating Input Voltage	V ac	100~240Vac 50-60Hz	
02	Input voltage range	V ac	90~264Vac	
03	Rating Input Current	A	0.2Arms	
04	Max.input power	W	18W	
<b>OUTPUT</b>				
05	Rating output voltage	V dc	13.8V	
06	Output voltage range	V dc	10VDC~15VDC	
07	Suit with Battery type		12V 2~10Ah VRLA	
08	Charging current(stage1)	A	1.50±0.1@12V	
09	Charging voltage(stage2)	V	14.5V+0.2V	
	Floating voltage(stage3)	V	13.7V+0.15V	
10	Cut-off current(stage2→3)	A	<0.2+0.05A	
11	Typical charging time	hour	8	
12	Max.output power	W	18W	
13	Hold-on time	ms	NC	Input:220Vac Output:Full load
14	Ripple current	mA	200	Input:220Vac Output:Full load
15	Charge finish condition		V>14V +I<1.0A	
16	LED color		Red:charging Green:finish/idle	
17	Output protect	-	OCP&OVP&Reverse input protection	
18	Efficiency	%	75%(min)	At max.load
<b>Environment</b>				
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.
<b>Mechanical</b>				
27	Weight	g	150g	
28	Size	mm	100.0x50.0x30.0	Casing only
29	Connectors	-	Defined when order	
<b>Safety</b>				
30	Max.temperature rise	℃	<40 on casing	At any line and Max.Load
31	Safety standards	-	UL1310, CE(EN60335-2-29)	
32	EMC standard	-	FCC part15, CE(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 cut,cut-off current<10mA