

Products Specification

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MODEL:			
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12V 10A Smart 3-Stages SLA 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	1.2Arms	220V input
04	Max.input power	W	150W	
OUTPUT				
05	Rating output voltage	V dc	13.8V	
06	Output voltage range	V dc	10VDC~15VDC	
07	Suit with Battery type		12V 20~100Ah VRLA	
08	Charging current(stage1)	A	10.0±1.0@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	<2.0±0.2A	
11	Typical charging time	hour	8	
12	Max.output power	W	120W	
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<2.0A	
16	LED color		Red:charging Green:finish/idle	
17	Output protect	-	OCP&OVP&OTP&Reverse input protection	
18	Efficiency	%	80%(min)	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	Fan don't work when idle or fully charged
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	600g	
28	Size	mm	152.5x63.0x45.0	Casing only
29	Connectors	-	Defined when order	
Safety				
30	Max.temperature rise	℃	<40 on casing	At any line and Max.Load
31	Safety standards	-	CE	
32	EMC standard	-	CE	
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