

6V&12V 3A Lead Acid battery charger

SPECIFICATION	PREPARE	CHECK	APPROVE
MODEL:			
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6V&12V 3A 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	INPUT:220V OUTPUT:Full load
03	Rating Input Current	A	0.8Arms	
04	Max.input power	W	55	
OUTPUT				
05	Rating output voltage	V dc	6.9Vdc&13.8Vdc	
06	Output voltage range	V dc	5VDC~7.5VDC&10VDC~15VDC	
07	Suit with Battery type		6V&12V 7~20Ah VRLA	
08	Charging current(stage1)	A	3.0±0.3@12V	
09	Charging voltage(stage2)	V	7.3V&14.5V ±0.25V	
	Floating voltage(stage3)	V	6.9V&13.8V ±0.20V	
10	Cut-off current(stage2→3)	A	<0.70+-0.05A	
11	Typical charging time	hour	8	
12	Max.output power	W	48W	
13	Hold-on time	ms	NC	Input:220Vac Output:Full load
14	Ripple current	mA	100	Input:220Vac Output:Full load
15	Charge finish condition		V>7.0V +I<0.7A&V>14.0V +I<0.7A	
16	LED color		Red:charging Green:finish/idle	
17	Output protect	-	OCP&OVP&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	-	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	250	
28	Size	mm	120×60×37	Casing only
29	Connectors	-	Defined when order	
Safety				
30	Max.temperature rise	℃	<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:3000(1 min.)	For final nuit,cut-off current=10mA