Battery Charger and Maintainer

1 Amp Charger

Specification

	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	0.8Arms	INPUT: 220V OUTPUT:Full load
04	Max. input power	W	43	
OUTPUT				
05	Rating output voltage	V dc	13.6-13.9Vdc	
06	Output voltage range	V dc	10 ~ 15Vdc	
07	Suit with Battery type		12V 8~20Ah VRLA Battery	
08	Charging current (stage 1)	A	2± 0.1A@12V	
09	Charging voltage (stage 2)	V	13.75V + -0.25V	
10	Floating voltage (stage 3)	V	14.75V+ -0.25V	
11	Cut-off current(stage 2→3)	A	<0.40A	
12	Typical charging time	hour	8 hours	
13	Max. output power	W	30W	
14	Hold-on time	ms	NC	Input: 220Vac Output: Full load
15	Charge finish condition		V>14.5V + I<0.4A	
16	LED color		Red: charging Green: finish/idle	
17	Output Shorted protection Output Reversed protection	-	Yes Yes	
18	Efficiency	%	>70%	At max. load
Environment				
19	Operate temperature	°C	-10 ~ +40	Full load & natural convection.
20	Operate humidity	%RH	< +90	Relative humidity, non -condensing.
21	Storage temperature	°C	-40 ~ +70	
22	Storage humidity	%RH	0 ~ +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	300	
28	Size	in	3.5 x 2 x 1.2	Casing only
29	Input/Output Cord and terminals	-	Defined by user	
Safety				
30	Max. temperature rise	°C	< 40 on casing	At any line and Max. Load
31	MTBF	hrs	30000	
32	Limited power source	VA	-	
33	ESD	kV	8.0	
34	Hi-Pot Insulation	V	i/p to o/p: 1500 (1 min.)	For final unit, cut -off current =10mA