GUDY ELECTRONICS LTD.

Tel:86-755-36984700 Fax:86-755-27821751 Email:info@gudycharger.com Http://www.gudycharger.com

SPECIFICATION		PREPARE	CHECK	APPROVE
MODEL:	USED IN:			
ISSUE DATE :	5/7/2010 11:35:00 AM			
COMMON/UNITE	DOC. NO:		REV.: 1.0	PAGE: 1 OF 1

GA100-12 12V Lead-Acid 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	1.5Arms	INPUT:100V OUTPUT:Full load
04	Max. input power	W	95	
OUTPUT				
05	Rating output voltage	V dc	13.8V	
06	Output voltage range	V dc	10VDC ~ 15VDC	10~22V at Recovery Mode
07	Suit with Battery type		12V 18~90Ah VRLA	
08	Charging current	A	5A± 0.2A	
09	Bulk Charging voltage Limit	V	14.4V +-0.15V; 14.7V+-0.15V	14.7 for low temperature.
10	Floating charge voltage limit	V	13.7V+-0.15V	
11	Desulphate recovery voltage	V	-	Not including
12	Desulphate recovery current	A	-	Not including
13	Max. output power	W	80W	
14	Typical charging time	hours	8~10	For 40Ah VRLA battery.
15	Ripple current	mA	200	Input: 230Vac Output: Full load
16	Charge Mode		Auto 4 stages (MCU build-in)	
17	LED indicator		Red: charging Green: finished/idle Flashing: error(shoreted or reversed)	See User Manual
18	Output Shorted protect Output Reversed protect	-	YES YES	
19	Efficiency	%	83%	At max. load
Environment				
20	Operate temperature	°C	-10 ~ +40	Full load & natural convection.
21	Operate humidity	%RH	< +90	Relative humidity, non-condensing.
22	Storage temperature	°C	-40 ~ +70	
23	Storage humidity	%RH	0 ~ +95	Relative humidity, non-condensing.
24	Cooling	-	Natural convection	
25	Impact		1 meter drop test >= 3 times	Non-operating condition.
Mechanical				
26	Weight	g	650	
27	Size	mm	190X100X60	Casing only
28	Input/Output Cord &Terminals	-	Defined by user	
Safety				
29	Max. temperature rise	°C	< 40 on casing	At any line and Max. Load
30	Safety standards	-	GB4943 EN60335 UL1310	
31	EMC standard	-	T.B.D.	
32	MTBF	hrs	30000	
33	ESD	kV	8.0	
34	Hi-Pot Insulation	V	i/p to o/p: 3000 (1 min.)	For final unit, cut-off current =10mA