

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:	3/22/2010 11:24:00 AM			
COMMON/UNITE	DOC. NO:	REV.: 1.0	PAGE: 1 OF 1	

A100-12/24/36 铅酸电池充电器

序号	项 目	单位	特 征 值	备 注	
共同特性参数					
01	额定输入	V ac	100~240Vac 50/60Hz		
02	输入电压范围	V ac	90~264Vac		
03	额定输入电流	A	1.3Arms	INPUT:220V OUTPUT:Full load	
04	最大输入功率	W	90		
05	最大充电时间	hour	10		
06	LED 指示灯标识		红灯常亮: 快充 绿灯常亮: 浮充/待机		
07	输出短路保护 输出反接保护	-	有 有	短路电流 < 0.2A	
08	电源工作效率	%	>80%	At max. load	
09	工作温度	°C	-10 ~ +40	Full load & natural convection.	
10	工作湿度	%RH	< +90	Relative humidity, non-condensing.	
11	存储温度	°C	-40 ~ +70		
12	存储湿度	%RH	0 ~ +95	Relative humidity, non-condensing.	
13	冷却方式	-	Natural convection		
14	抗振动		5MM/50HZ/600S	Non-operating condition.	
15	抗冲击		1 米高, 水泥地板, 3 次	Non-operating condition.	
16	重量	g	约 650		
17	外形尺寸	mm	约 170X71X51 毫米	Casing only	
18	输入输出线及插接头	-	客户自定	注意: 由于输入线是固定式, 因此 UL 标志和 CE 标志不可同时出现	
19	最大温升	°C	< 40 on casing	At any line and Max. Load	
20	安全规格标准	-	EN60335 UL1310		
21	产品已取得的安规证书	-	CE cUL		
22	MTBS	hours	30000		
23	防静电等级	kV	8.0		
24	隔离耐电压	V	i/p to o/p: 3000 (1 min.)	For final unit, cut-off current =10mA	
各型号输出特性					
25	型号		A100-12	A100-24	A100-36
26	额定输出电压	V dc	13.8V	28V	42V
27	输出电压范围	V dc	10~15V	20~30V	30~45V
28	适用电池规格	Ah	12V 20~90AH	24V 8~20AH	36V 8~12AH
29	恒流充电电流	A	5+0.4A	2+0.2A	1.85+0.2A
30	快充充电电压	V	14.8+0.1V	29.4+0.2	44.2+0.2
31	涓流充电电压	V	13.8+0.1V	27.8+0.2V	41.7+0.3V
32	充电完成电流	A	<0.8A	<0.4A	<0.4A
33	最大输出功率	W	75W	60W	70W
34	纹波电流	A	A100C-12: 0.3A	0.1A	0.1A
35	快充/浮充转换条件	V	V>14.6V&I<0.8A	V>29V&I<0.4A	V>44v&I<0.4A

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No.	Item	Unit	Specification	Remark
General Information				
01	Rating Input Voltage	V ac	100~240Vac 50/60Hz	
02	Input Voltage Range	V ac	90~264Vac	
03	Rating Input Current	A	1.3Arms	INPUT:220V OUTPUT:Full load
04	Rating Input Power	W	90	
05	Typical charging times	hours	8~10 hours	
06	LED Indication		RED: Main charge GREEN: Finish or idle	
07	Output Short-circuit Protection Output Reverse Protection	-	yes yes	
08	Efficiency	%	>80%	At max. load
09	Operate Temp.	°C	-10 ~ +40	Full load & natural convection.
10	Operate Humidity	%RH	< +90	Relative humidity, non-condensing.
11	Storage Temp.	°C	-40 ~ +70	
12	Storage Humidity	%RH	0 ~ +95	Relative humidity, non-condensing.
13	Cooling	-	Natural convection	
14	Vibration		5MM/50HZ/600S	Non-operating condition.
15	Impach		1 meter drop test >= 3 times	Non-operating condition.
16	Weighth	g	650	
17	Size	mm	170X71X51	Casing only
18	Input/Output Cable and Connecters.	-	Defined by user	Note: UL mark and CE mark can't be place on Lable at the same time, because AC plug is fixed on product.
19	Temp. Rise	°C	< 40 on casing	At any line and Max. Load
20	Safety Standard Meeted	-	EN60335 UL1310	
21	Safety Approvals passed	-	CE cUL	
22	MTBS	hours	30000	
23	ESD	kV	8.0	
24	HI-POT	V	i/p to o/p: 3000 (1 min.)	For final unit, cut-off current =10mA
Individual Specification for each model				
25	Models		A100-12:	A100-24 A100-36
26	Rating Output Voltage	V dc	13.8V	28V 42V
27	Output Voltage Range	V dc	10~15V	20~30V 30~45V
28	Suity with battery type	Ah	12V 20~90AH	24V 8~20AH 36V 8~12AH
29	Charging current	A	5+-0.4A	2+-0.2A 1.85+-0.2A
30	Bulk Charging Voltage Limit	V	14.8+-0.1V	29.4+-0.2 44.2+-0.2
31	Floating Charging Voltage Limit	V	13.8+-0.1V	27.8+-0.2V 41.7+-0.3V
32	Cut-off Current	A	<0.8A	<0.4A <0.4A
33	Max Output Power	W	75W	60W 70W
34	Ripple Current	A	A100C-12: 0.3A	0.1A 0.1A
35	Charge Finish Conditions	V	V>14.6V&I<0.8A	V>29V&I<0.4A V>44v&I<0.4A