

SHENZHEN GUDY ELECTRONICS LTD.

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SPECIFICATION		PREPARE	CHECK	APPROVE
MODEL:	USED IN:			
ISSUE DATE :	9/22/2025 11:26:00 AM			
COMMON/UNITE	DOC. NO:		REV.: 1.0	PAGE: 1 OF 1

FY1504802000 48V 2.0A Smart 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	2.5Arms	INPUT:100V OUTPUT: Full load
04	Max. input power	W	140W	
OUTPUT				
05	No load output voltage	V dc	55V-57V	
06	Charging conversion voltage	V dc	57.5VDC ~ 60VDC	
07	Suitable with Battery type		48V SLA VRLA AGM Gel Wet batteries	
08	Constant Charge current	A	2A ±10%	
09	Constant Voltage	V	DC58.8V ±0.3V	Can be customized
10	Floating charge voltage	V	DC52.8-54.8V	
11	Typical charge time	Hour	Overnight. Depends on battery capacity.	
12	Max. output power	W	118W	
14	Ripple		≤400MV	
16	LED color		Red: Charging Green: Charged	Bi-color LED
17	Output protections	-	Short-circuit, over current...	
18	Efficiency	%	>87%	
Environment				
19	Operate temperature	°C	-10~ +40	Full load & natural convection.
20	Operate humidity	%RH	< +90	Relative humidity, non-condensing.
21	Storage temperature	°C	-20 ~ +60	
22	Storage humidity	%RH	0 ~ +95	Relative humidity, non-condensing.
23	Cooling	-	Natural convection	
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	540 (1.19Ib)	
28	Size	mm	172X73X36.5 (6.77*2.87*1.44in)	Casing only
29	Input/Output Cord	-	C8 socket	
Safety				
30	Max. temperature rise	°C	< 40 on casing	At any line and Max. Load
31	Safety standards	-	CE UL	
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

Products Specification

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Product:



Charge Curve:

