

Product Specification

GUDY ELECTRONICS LTD.

We Charge Your Business

Tel: +86-755-27810525 Fax: +86-755-27810505 Email: info@gudycharger.com [Http://www.gudycharger.com](http://www.gudycharger.com)

SPECIFICATION		PREPARED BY		APPROVE BY
MODEL:	FY0421203000	TaoXiang Jiang		Alan Xiao
ISSUE DATE :	10/30/2025		REV: 1.0	PAGE: 1 OF 1

12V 3.0A 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	0.6Arms	INPUT:100V OUTPUT: Full load
OUTPUT				
04	No load output voltage	V dc	13.2V-13.8V	
05	Output voltage range	V dc	14.2VDC ~15VDC	
06	Suitable with Battery type		SLA, VRLA, AGM, Gel, Wet	Only use with 12V batteries
07	Constant Charge current	A	3.0A ±10%	
08	Constant Voltage	V	DC14.7V ±0.3V	Can be customized
9	Floating charge voltage	V	DC13.2-13.7V	
10	Typical charge time	Hour	8-10 Hrs (Overnight).	Depends on battery capacity.
11	Max. output power	W	45W	
12	LED color		Red: Charging Green: Charged	Bi-color LED
13	Output protections	-	Short-circuit, OCP, CVP...	
14	Efficiency	%	>80%	
Environment				
15	Operate temperature	°C	-10~ +40	Full load & natural convection.
16	Operate humidity	%RH	< +90	Relative humidity, non-condensing.
17	Storage temperature	°C	-20 ~ +60	
18	Storage humidity	%RH	0 ~ +95	Relative humidity, non-condensing.
19	Cooling	-	Natural convection	
20	Vibration resistance	-	5MM/50HZ/600S	Non-operating condition.
21	Impact resistance	-	1 meter drop test >= 3 times	Non-operating condition.
Mechanical				
22	Weight	g/lb	250g (0.55lb)	
23	Size	mm/in	102X50X31mm (4.02*1.97*1.22in)	Casing only
24	Input power Cord	-	C8	
Safety				
25	Max. temperature rise	°C/°F	< 40°C/104°F on casing	At any line and Max. Load.
26	Safety standards	-	cULus, CE, UKCA, SAA , PSE	
27	MTBF	hrs	30000	

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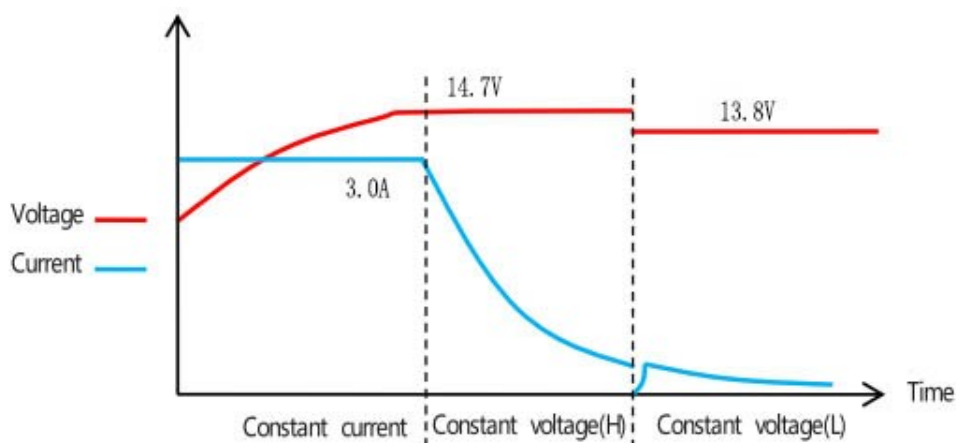
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Product:



Charge Curve:



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