

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:	F240-050-D	TaoXiang Jiang		Alan Xiao
ISSUE DATE :	10/30/2025		REV: 1.0	PAGE: 1 OF 1

24V 5.0A 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	2.0Arms	INPUT:100V OUTPUT: Full load
OUTPUT				
04	No load output voltage	V dc	27.6V	
05	Output voltage range	V dc	20VDC ~ 30VDC	
06	Suitable with Battery type		SLA, VRLA, AGM, Gel, Wet	Only use with 24V batteries
07	Constant Charge current	A	5.0 ±0.5	
08	Constant Voltage	V	DC29.1V ±0.3V	Can be customized
9	Floating charge voltage	V	DC27.4V±0.2V	
10	Typical charge time	Hour	8-10 Hrs (Overnight).	Depends on battery capacity.
11	Max. output power	W	150W	
12	LED color		Red: Charging Green: Charged	Bi-color LED
13	Output protections	-	Short-circuit, OCP, OVP...	
14	Efficiency	%	>80%	
Environment				
15	Operate temperature	°C	-10~ +40	Full load & natural convection.
16	Operate humidity	%RH	20-90	Relative humidity, non-condensing.
17	Storage temperature	°C	-40 ~ +70	
18	Storage humidity	%RH	0 ~ +95	Relative humidity, non-condensing.
19	Cooling	-	Fan force cooling only when charging	
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	450g (0.99lb)	
23	Size	mm/in	152.5x63x45mm (6.02*2.48*1.77in)	Casing only
24	Input power Cord	-	direct wire	
Safety				
25	Max. temperature rise	°C/°F	< 40°C/104°F on casing	At any line and Max. Load.
26	Safety standards	-	CE	
27	MTBF	hrs	30000	

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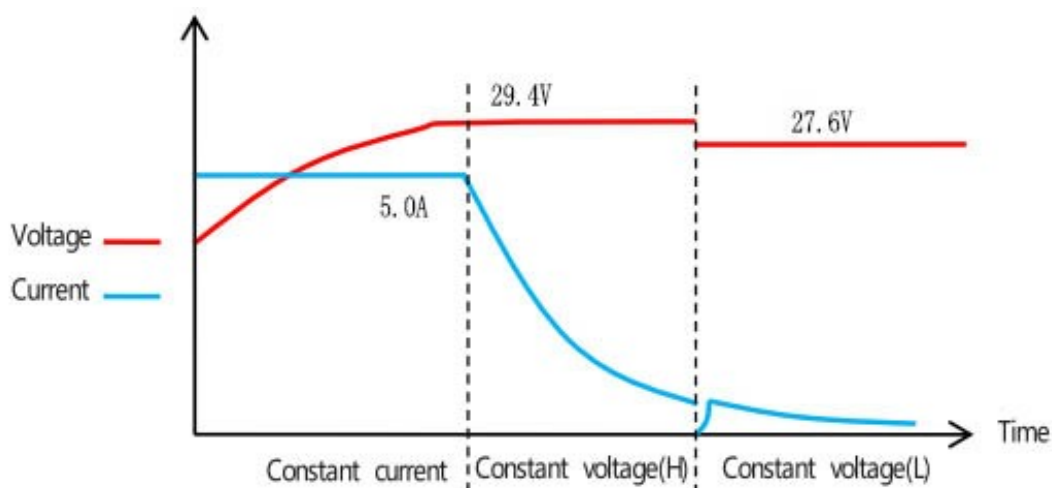
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Product:



Charge Curve:



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