



Guangzhou Yixiu Lvdian Energy Technology Co.,ltd

No.3A06, Floor 4, No.1498, Fanghua Road, Renhe Village, Renhe Town, Baiyun district Guangzhou, China
Tel: 86-020-86213109 Phone : +00 86 13068893999 Web: www.eshowcharger.com

Specification of Battery Charger

Model No.: YX-180W

(Aluminium Case)

28.8V /5A Lifepo4 BATTERY CHARGER





Guangzhou Yixiu Lvdiان Energy Technology Co.,ltd

No.3A06, Floor 4, No.1498, Fanghua Road, Renhe Village, Renhe Town, Baiyun district Guangzhou, China
Tel: 86-020-86213109 Phone : +00 86 13068893999 Web: www.eshowcharger.com

1. General

24V Battery Charger can work normally under 28.8V 5A 8S lifepo4 batteries

1. Electrical Specification

2.1 Main product specification

No.	Model	YX-180W	Remark
1	Battery	<input type="checkbox"/> Li-ion <input checked="" type="checkbox"/> LiFePO4	
2	Max output voltage	28.8V ± 0.2Vdc	
3	Output current	5A ± 3% A	
4	Actual output power	144W	
5	Input voltage	100-240 Vac	As customers' requirement 220vac / 100vac
6.	AC input voltage frequency	50/60 Hz	

2.2 Output characteristic or charge stages

No.	Item	Technical specification	Remark
1	CC(constant current)	5A	
2	CV(constant voltage)	28.8V	
3	Floating	NO	
4	Transition Current	0.25A	
5	Power efficiency	≥88%	Vin=110Vac/220Vac, rated load

2.4 Protection characteristics

No.	Item	Technical specification	Remark
1	Over voltage protection	Yes	
2	Over Current protection	Yes	At CC mode



Guangzhou Yixiu Lvdiان Energy Technology Co.,ltd

No.3A06, Floor 4, No.1498, Fanghua Road, Renhe Village, Renhe Town, Baiyun district Guangzhou, China

Tel: 86-020-86213109 Phone : +00 86 13068893999 Web: www.eshowcharger.com

3	Short circuit protection	Short circuit protection should be automatically recovery after remove the condition.	
4	Reverse polarity protection	When output wires are reversely connected to the battery the charger will not operate and will work normally when DC wires are correctly connected.	

2.5 Charging indicator

No.	Item	Status	Remark
1	Power on	LED1: Red	
2	Charging	LED2: Red	
3	Fully charged	LED2: Green	

3.Environmental condition

No.	Item	Technical specification	Remark
1	Operation temperature	-15~+45°C	
2	Humidity	5~95%	
3	Storage temperature	-40~+70°C	
4	Altitude	0~3000m	
5	Cooling	Cooling fans	

4.Safety

No.	Item		Standard (or test condition)	Remark
1	Electric strength test	Input-output	1500Vac/10mA/1min	No breakdown
2		Input-ground	≥10Mohm@500Vdc	
	Output-ground	≥10Mohm@500Vdc		
3	Leakage current		<5.0mA	Input voltage =264Vac



Guangzhou Yixiu Lvdi Energy Technology Co.,Ltd

No.3A06, Floor 4, No.1498, Fanghua Road, Renhe Village, Renhe Town, Baiyun district Guangzhou, China
Tel: 86-020-86213109 Phone : +00 86 13068893999 Web: www.eshowcharger.com

5. Environmental testing requirements

No.	Item	Technical specification	Remark
1	High temperature ambient operating	+40°C	Features OK
2	Low temperature ambient operating	-15°C	Features OK
3	High temperature storage	+70°C	Work normally after recovery under normal temperature for 2 hours
4	Low temperature storage	-40°C	Work normally after recovery under normal temperature for 2 hours

6.Mechanical characteristic

No.	Item	Technical specification	Size	Remark
1	Shell material	Aluminum	L*W*H:145*90*50mm	
2	Input plug	220vac Eu plug	AC cable 1.5 meter	
3	Output plug	(as customers' requirement)	DC cable 1.0 meter	
4	Net Weight	1.0KG	/	

7. Reliability requirements

No.	Item	Technical specification	Remark
1	MTBF	MTBF no less than 20000 hours (25 degrees C, Full load and rated voltage input)	
2	Burn-in and Life test	At ambient temperature 25 °C aging in two minutes, shell surface temperature ≤ 55 °C.	



Guangzhou Yixiu Lvdian Energy Technology Co.,ltd

No.3A06, Floor 4, No.1498, Fanghua Road, Renhe Village, Renhe Town, Baiyun district Guangzhou, China
Tel: 86-020-86213109 Phone : +00 86 13068893999 Web: www.eshowcharger.com

8. Charging Curve

