



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-600W

(Aluminium Case)

28.8V /18A Lifepo4 BATTERY CHARGER





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1. General

24V Battery Charger can work normally under the 28.8Vdc/18A for 8s lifepo4 batteries

2.Electrical Specification

2.1 Main product specification

No.	Model	YX-600W	Remark
1	Battery	<input type="checkbox"/> Li-ion <input checked="" type="checkbox"/> LiFePO4	8S lifepo4
2	Max output voltage	28.8V ± 0.2Vdc	
3	Output current	18±0.3A	
4	Actual output power	518W	
5	Input voltage	200-240 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)	29.2V	
2	CV(constant voltage)	18A	
3	Floating	NO	
4	Transition Current	0.9A	
5	Power efficiency	≥ 90%	Vin=110Vac/220Vac, rated load

2.4 Protection characteristics

No.	Item	Technical specification	Remark
1	Over voltage protection	Yes	



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2	Over Current protection	Yes	At CC mode
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.	
5	Over temperature protection	Yes	

2.5 Charging indicator

No.	Item	Status	Remark
1	Power on	LED1: Red	
2	Charging	LED2: Red	
3	Fully charged	LED2: Green	
4	Charging Voltage Display	No	
5	Charging Current Display	No	

3.Environmental condition

No.	Item	Technical specification	Remark
1	Operation temperature	-10~+45°C	
2	Humidity	5~95%	
3	Storage temperature	-40~+70°C	
4	Altitude	0~3000m	
5	Cooling	Cooling fans	



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4.Safety

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

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: 210*120*70mm	
2	Input plug	(as customers' requirement)	AC cable 1.5 meter	
3	Output plug	(as customers' requirement)	DC cable 1.5 meter	
4	Net Weight	2.2KG	/	



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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.	

8. Charging Curve

