

Technical specification

POW2,8V20A-D1 Charger



PRODUCT WEBPAGE



1. General

The charger under this spec suitable for charging LTO battery, it defined LTO battery pack electric characteristics, safety requirement, size and attentions, this spec generally accord with all chargers produced by Shenzhen Wisemen Technology Co.Ltd.

2. Electrical Characteristics

No.	Item	Technical specification
1	Rated input voltage:	100 ~ 240Vac
2	Input voltage range:	90 ~ 260Vac
3	AC input voltage frequency:	50 ~ 60Hz
4	Power efficiency:	≥85%
5	Floating input power:	≤3W
6	Rated input power:	≤80W
7	Floating voltage (output):	DVC 0 ~ 0.3V after Relays cutoff
8	Rated output voltage (CC):	DC 1.6 – 2.8V
9	Rated output current (CC):	18 – 22A
10	Suited battery pack:	1 cells with capacity 30 ~ 120Ah
11	Rated output power:	≤56W

3. Protection Characteristics

No.	Item	Technical specification
1	Over voltage protection:	Yes
2	Over current protection:	Yes
3	Software over voltage protection:	The charger software limits the maximum output voltage to a level suitable for the connected battery system.
4	Thermal protection:	Yes
5	Short circuit protection:	Short circuit protection should be automatically recovery after remove the condition.
6	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.

4. Charging Indicator

No.	Item	Technical specification
1	Charging:	LED (Red)
2	Stand by or fully charged:	LED (Green)

5. Environmental test requirements

No.	Item	Technical specification	Remark
1	High temperature ambient operation	+40C	Features OK
2	Low temperature ambient operation	-10C	Features OK
3	High temperature storage	+70C	Work normally after recovery under normal temperature for 2hrs
4	Low temperature storage	-40C	Work normally after recovery under normal temperature for 2hrs

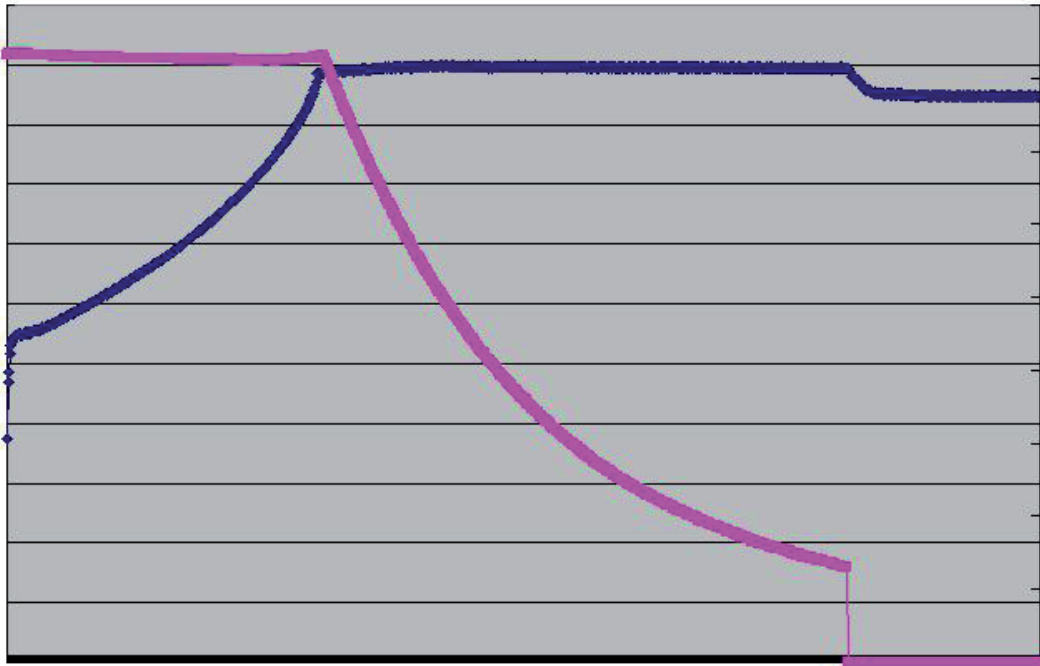
6. Safety Characteristics

No.	Item	Technical specification
1	Vibration resistance:	5MM / 50HZ / 600S
2	Isolated voltage resistance:	input-output (AC1.5KV, 10MA, 60S)
3	Working life:	≥30000Hrs
4	Anti-static level:	8.0KV

7. Others

No.	Item	Technical specification
1	Weight	0,7 kg
2	Height	45 mm
3	Width	75 mm
4	Depth	150 mm

8. Charging Curve



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