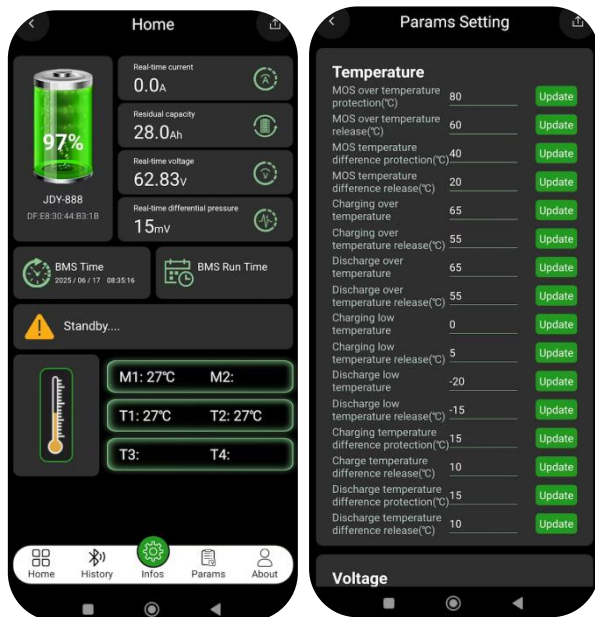




Parallel Connection--4P  
Series Connection--4S



## Lithium battery advantages :

- 6-year warranty, 10-year long service life
- Maintenance-free, low life cycle cost
- Lithium iron phosphate high stability
- High energy density, no memory effect
- High conversion efficiency, full depth discharge
- Durable modular construction
- Lightweight and compact—easy to install
- Openable lid design, perfect internal structure
- Perfect lead-acid battery replacement

## Integrated Battery Management System (BMS)

All-round safety protection, automatically monitoring battery voltage, current, temperature, etc., to prevent risks such as overcharging, over-discharging, overcurrent, and overheating in real time.

## Lithium battery charging precautions :

- Recommend to use a dedicated lithium battery charger with constant current/voltage and auto shut-off to avoid trickle or float charging, which can harm battery performance and lifespan.
- It is recommended to charge at 20-30% of the daily mileage and perform a charge and discharge cycle to 100% regularly (such as every six months or when the power level is below about 20%) to balance the batteries and calibrate the power display.

## Long-term storage tips:

Charge the battery to 40–60% before storing in a cool, dry place (0–30°C). If unused for a long time, check every 3 months and recharge for 0.5–1 hour to maintain 40–60% level.

## INTEGRATED BLUETOOTH 4.0

- The APP supports real-time monitoring of up to 8 batteries.
- Remote monitoring via phone/tablet, easy to use.
- Auto alerts for abnormalities, ensuring safety.
- Helps extend battery life and improve efficiency.
- Monitor key data in real time: SOC, voltage, current, temperature, cycles.



## W-12-175

### WATTNOVA 12.8V-175AH lithium battery with BT

<b>Model</b>		12.8V 175Ah with bluetooth&heater
<b>Nominal capacity</b>		175Ah/2240Wh
<b>Dimensions (L*W*H) (mm)</b>		355*175*188
<b>Weight(Kg)</b>		15.8±1 Kg
<b>Cycle life</b>		>6000cycles@80%DOD
<b>Charging Characteristics</b>		CCCV/IU
<b>Voltage(V)</b>	Rated voltage(V)	12.8V
	Maximum voltage(V)	14.6V
	Minimum voltage(V)	10V
<b>Current(A)</b>	Continuous charging current(A)	34A
	Maximum charging current(A)	175A
	Continuous discharge current(A)	200A
	Maximum discharge current(A)	350A(3S)
<b>Operating temperature(°C)</b>	Charging working temperature	0~55°C
	Discharge working temperature	-30~55°C
<b>Storage temperature(°C)</b>		0~35°C
<b>Self-discharge rate/Month</b>		<3%
<b>Heating function</b>		Start heating when charging below 0°C
		Stop heating when heated to 10°C
		Do not heat during discharge
<b>BMS</b>		Integrated
<b>Bluetooth Monitoring</b>		Bluetooth 4.0 (iOS &Android app)
<b>Ingress Protection Ratin(IP)</b>		IP67
<b>Case Material</b>		ABS
<b>Terminal</b>		M8
<b>Application/Interconnection</b>		4P4S
<b>Battery cover removable</b>		Yes
<b>Warranty</b>		6-year manufacturer's warranty
<b>Communication Mode</b>		RS485