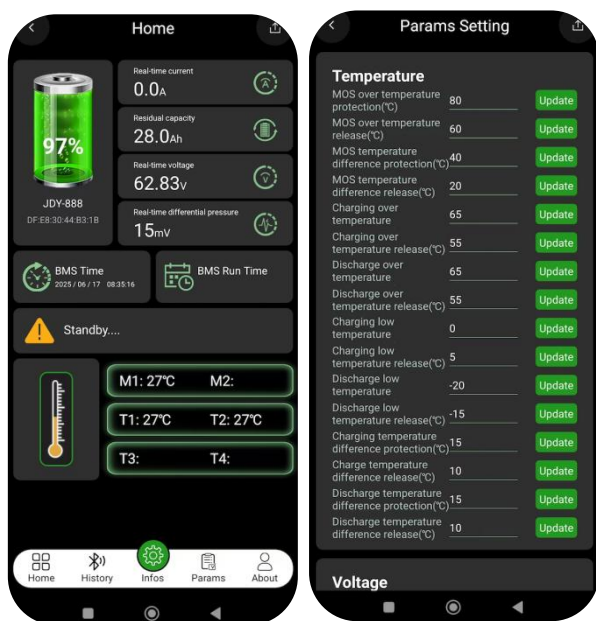




Parallel Connection--4P
Series Connection--4S



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-12-105

WATTNOVA 12.8V-105AH lithium battery with BT

Model		12.8V 105Ah with bluetooth&heater
Nominal capacity		105Ah/1344Wh
Dimensions (L*W*H) (mm)		279*175*189
Weight(Kg)		9.5±1 Kg
Cycle life		>6000cycles@80%DOD
Charging Characteristics		CCCV/IU
Voltage(V)	Rated voltage(V)	12.8V
	Maximum voltage(V)	14.6V
	Minimum voltage(V)	10V
Current(A)	Continuous charging current(A)	20A
	Maximum charging current(A)	100A
	Continuous discharge current(A)	150A
	Maximum discharge current(A)	240A(3S)
Operating temperature(°C)	Charging working temperature	0~45°C
	Discharge working temperature	-20~55°C
Storage temperature(°C)		0~35°C
Self-discharge rate/Month		<3%
Heating function		Start heating when charging below 0°C
		Stop heating when heated to 10°C
		Do not heat during discharge
BMS		Integrated
Bluetooth Monitoring		Bluetooth 4.0 (iOS &Android app)
Ingress Protection Ratin(IP)		IP67
Case Material		ABS
Terminal		M8
Application/Interconnection		4P4S
Battery cover removable		Yes
Warranty		6-year manufacturer's warranty
Communication Mode		RS485