

HT

lights up your life



HT Energy Storage Battery

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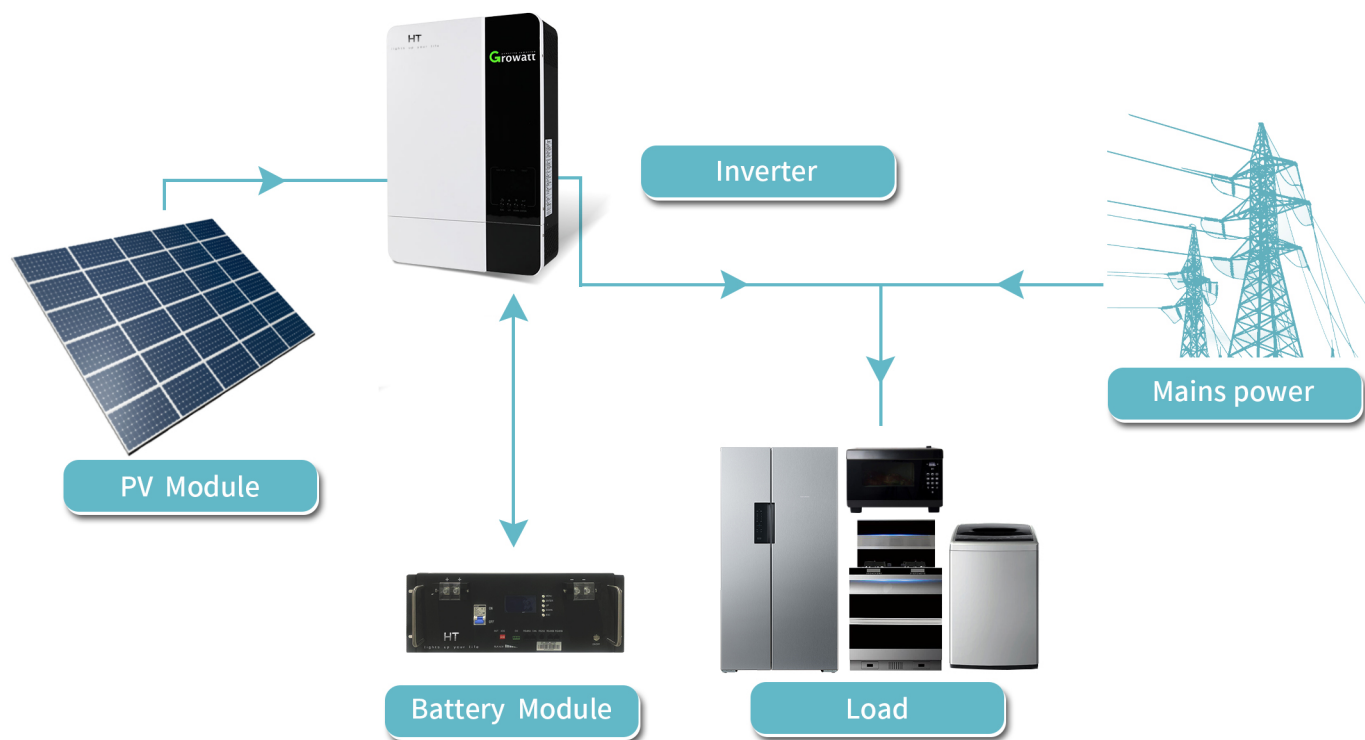


Shenzhen Infinite Power Technology Co., Ltd

Introduction

HT rack-mounted energy storage LiFePO₄ battery are perfect choice for your home energy storage system and small medium enterprise. The ultra-modern design can be provide high safety, good reliability ,long cycle life, good high/low temperature performance, pollution free, etc. With these unique advantages, it is widely popular by users with a rapid development stance. It is the first choice for the energy storage.

HT Rack-mounted energy storage LiFePO₄ System



Technical features



①High cycle life and deep cycle ability

>6000 cycles@80% DOD @ 25°C.



②Intelligent communication function

It supports CAN,RS485&RS232 communication, and can meet the requirements of Mainstream PV inverter communication protocols.



③Intelligent monitoring

The monitoring module can check the charging and discharging current, voltage and SOC of battery automatically.



④Light weight, high energy density backup power

The HT lithium batteries, due to their excellent exterior design, it saves a lot of space for your home and reduce energy loss.



⑤Safety

As HT LiFePO4 batteries adopt the most advanced lithium iron technology, automobile level assembly process, there is no risk of explosion and fire.



⑥Intelligent battery management system

Built-in intelligent BMS protects battery from over-charge, over-discharge, over-current, short circuit, high/low temperature, off-line, delay protection.

Advantages

- The battery all adopt approved grade A cells to ensure the high safety and premium performance of the battery.
- Parallel connection available for flexible system capacity extension.
- High operational reliability.
- Optimized supervision strategy through remote control.
- 15+years long life design@25°C.
- Up to 15 years of maintenance.
- Compatible with tier1 inverters.
- Compact and fashionable design fits in your warm home environment.
- Conforms to safety standards of IEC62619,CE,UN38.3,MSDS.

Technical specifications

Battery type	LifePO(Lithium iron phosphate battery)			
Battery Model	HT-48100(R1)		HT-48200(R2)	
Nominal Voltage	48V	51.2V	48V	51.2V
Nominal Capacity	100ah		200ah	
Nominal Energy	4.8KWH	5.12KWH	9.6KWH	10.24kwh
Cycle Life	≥6000 cycles @ 80% DOD, 25℃, 0.5C			
Design Life	≥15 years@25℃			
Charge Cut-off Voltage	53V ±0.5V(15S);56.0V±0.5V(16S)			
Max.Continuous Work Current	100A			
Discharge Cut-off Voltage	45V±1.0V(15S);48V±1.0V(16S);			
Working Temperature Range	Charge: 0℃~60℃			
	Discharge: -20℃~60℃			
	Storage: -40℃~55℃ @ 60%±25% relative humidity			
Dimensions	483*480*178mm	483*480*178mm	483*680*178mm	483*680*178mm
Weight	Approx:56Kg	Approx:58Kg	Approx:92Kg	Approx:96Kg
Protocol (optional)	RS232-PC,RS485(B)-PC, RS485(A)-Inverter,Canbus-Inverter			
Compatible Inverter	SMA,SolarEdge, Sungrow, Huawei, Victron Energy, Schneider, Growatt, InfinitPower, Ginlong, Sofar, Solax, East, Deye, Goodwe, Kstar, etc.			
Batteries in parallel	Support up to 10 batteries in parallel			
Certification	UN38.3,MSDS,CE,IEC62619(Cell)			

