

# 51.2V 280Ah Battery Pack

## PRODUCT DESCRIPTION

This product belongs to one of our self-designed and developed household energy storage product series. It is used for energy storage and energy supply of household, commercial, UPS and other electrical equipment.

This product enjoys many merits: long cycle life, high safety standard from software protection to strong housing, exquisite looks, and easy installation, etc. It is widely used in energy storage system with off-grid inverters, grid-connected inverters and hybrid inverters.





## INTRODUCTION

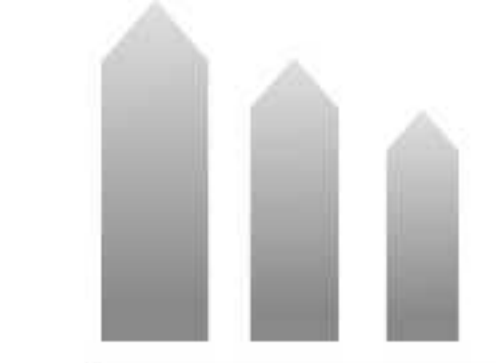
Mobile home energy storage lithium battery has the following advantages:



- **No memory effect:** Lithium-ion battery has no memory effect, which means that the battery can be charged and discharged at any time without affecting its service life.
- **High energy density:** The energy density of lithium-ion battery is much higher than that of lead-acid battery and nickel-cadmium battery, which means that the volume and weight of the battery can be reduced, and the battery can store more energy.
- **Environmental protection:** Lithium-ion battery is a green and environmental-friendly battery, which does not contain any toxic substances and has low pollution to the environment.

Overall, mobile home energy storage lithium battery has good performance and high value in mobile home energy storage system, which can improve the power quality, reliability and efficiency of mobile home energy storage system, and reduce the power loss and maintenance cost of the whole system. Therefore, it is widely used in mobile home energy storage system.





## PRODUCT FEATURES



### BUILT IN BMS

Built-in BMS intelligent security protection system, Protect the battery, Extend battery life. Six layers of intelligent safe typrotection, when the battery voltage and current reach the value set by BMS, The battery will enter the protection state.

### SAFETY

National high-tech enterprise, home intelligent energy management, safe, efficient and green energy

### LONG LIFE

Designed for 15-20 years, over 6000 cycles

### EASY INSTALL

The bottom adopts universal wheels, which are ultra-high load-bearing, rotate freely, and easy to move. Easy to connect to inverter.



BUILT IN BMS



SAFETY



LONG LIFE



EASY INSTALL



## PANEL INDICATION

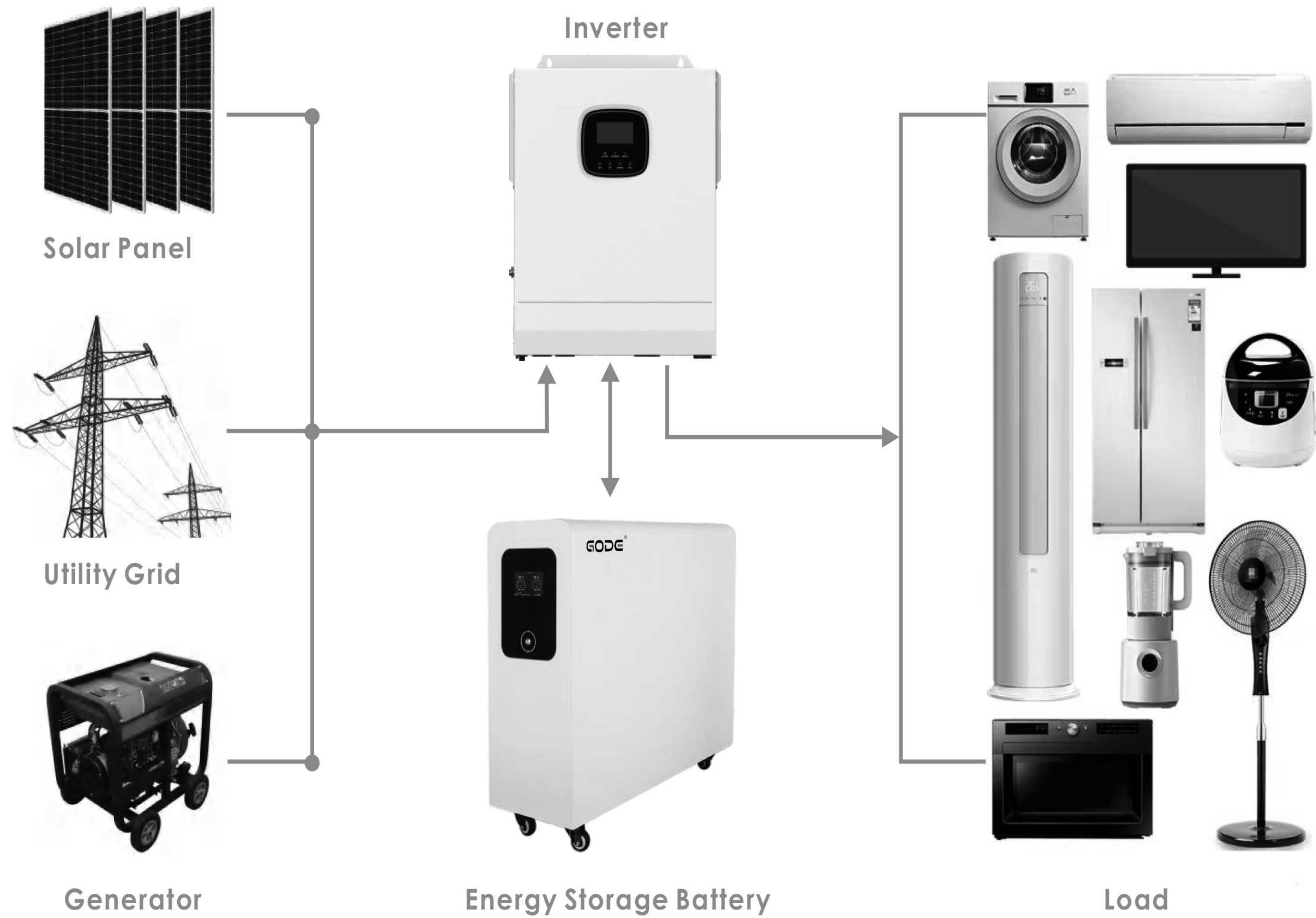


①	LCD Display	⑤	CAN port and RS485 port
②	ON/OFF	⑥	Port Positive *2
③	LED1, 2, 3, 4, 5, 6	⑦	Port Negative *2
④	RS485 Parallel communication port*2		

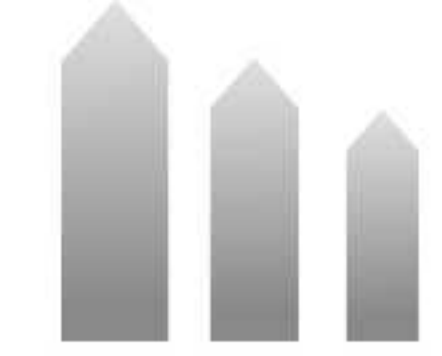


## CONNECTION DIAGRAM

Solve The Problem Of No Electricity In Your Home







### PRODUCT SPECIFICATION

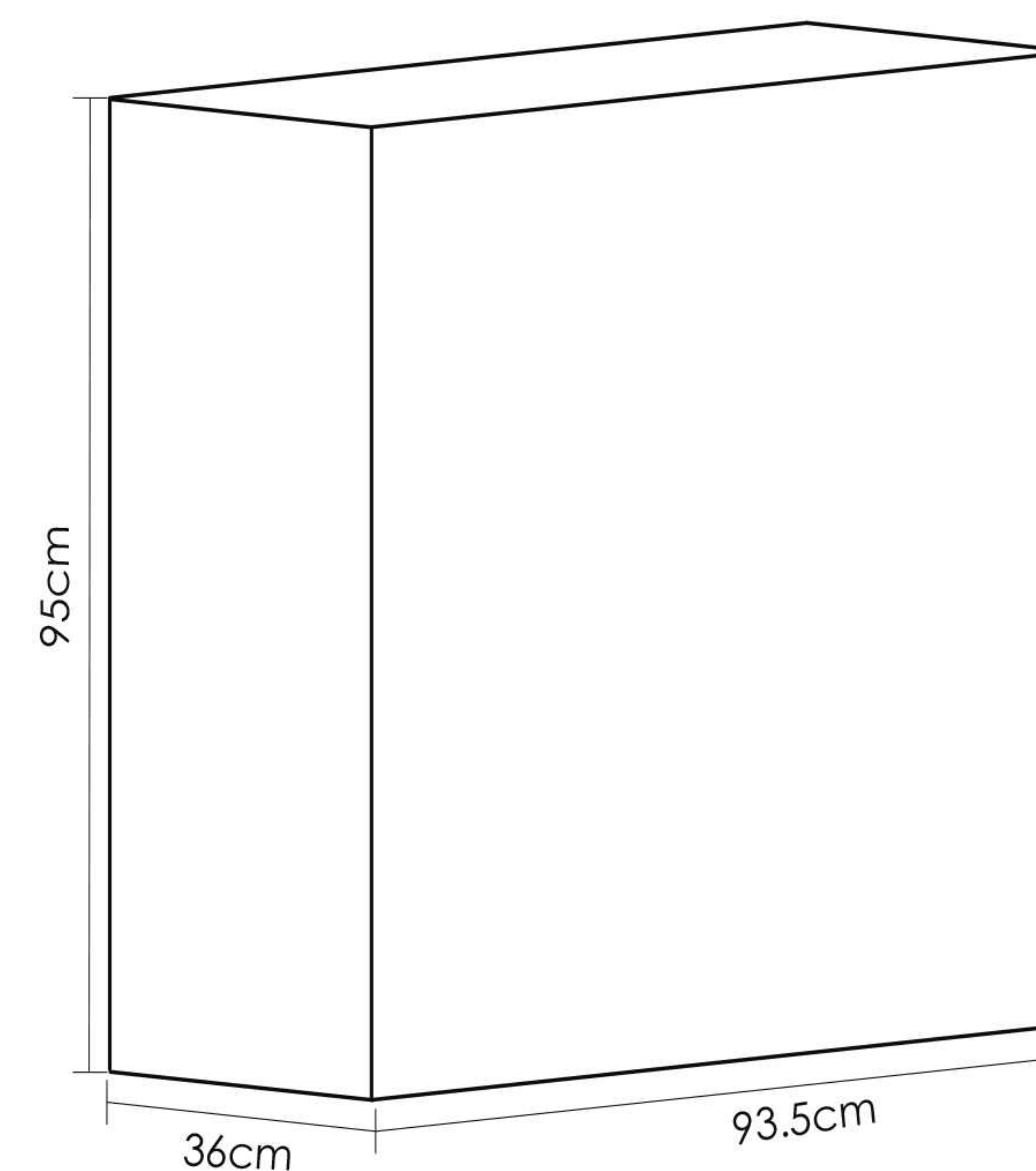
Model	LF51280-02
Battery Type	LiFePO4
Nominal Voltage	51.2V
Nominal Capacity	280Ah
Charging Cut-off Voltage	58.4V
Discharging Cut-off Voltage	40.8V
Max. Cont. Charging/Discharging Current	150A
Max. Instantaneous Charge/Discharge Current	200A
Working Temperature	0°C~ 55°C (Charge)
Working Temperature	-20°C~ 65°C (Discharge)
Cycle Life	≥6000
Product Size	860*290*738mm
Weight	130kg

### PACKAGING SPECIFICATION

P/N	Packing Size(CM)			PCS/CTN	CBM/CTN	G.W/CTN(KGS)
	L	W	H			
LF51280-02	93.50	36.00	95.00	1	0.3181	150



Product Size

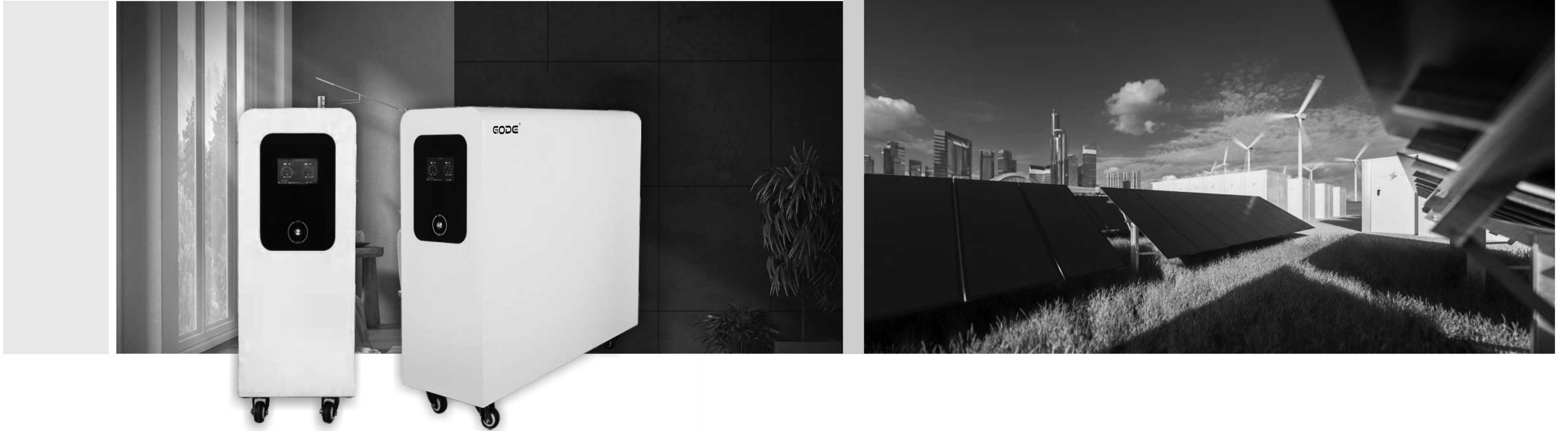


Package size





## APPLICATION



## NOTES

- Installation and commissioning should be operated by professional electrical personnel.
- Do not penetrate hands or other items deep into the product.
- Please do not open the product without the presence of a professional.
- Do not mechanically damage the battery module of the energy storage cabinet (perforation, deformation, peeling, etc.).
- Use a dry chemical fire extinguisher as a fire extinguishing agent.
- Do not allow the storage cabinet battery module to come into contact with abnormal metal or conductors.
- Do not use this product after a short circuit.
- Do not expose the energy storage cabinet to flammable, hazardous chemicals or steam.