

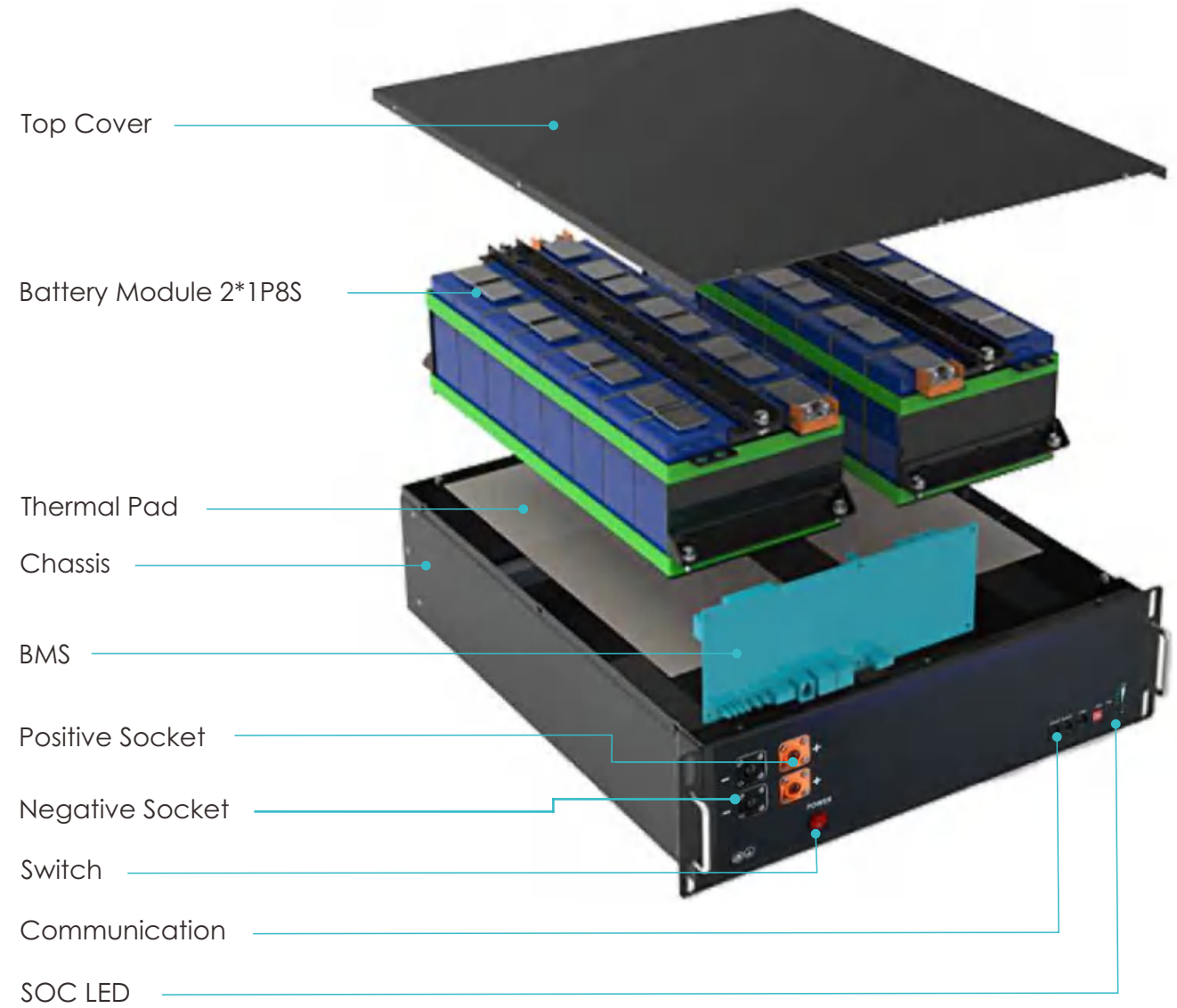


51.2 V 100Ah Battery Pack

# Energy Storage System

- ▶ Safe lithium iron phosphate battery.
- ▶ Small and ultra-light modules.
- ▶ Each battery pack is equipped with an intelligent battery management system to effectively manage the modules.
- ▶ Compared with traditional modules, it can meet the capacity storage and greatly improve the cycle life.

## PRODUCT DETAILS



## BATTERY DETAIL

01

- Iron Phosphate Safety Battery
- Each battery pack is equipped with intelligent BMS to manage modules effectively
- Compared with traditional modules, it can meet the capacity storage and greatly improve the cycle life

02

- LiFePO4 battery, safe and longer life
- 51.2 kWh energy capacity, parallel up to 54 kWh
- Free cooling with optional cooling/fan configuration
- Wide temperature range, -20~50°C

03

- Small size and light weight
- High power input and available energy ratio
- Modular design, expandable system
- Safest battery and perfect compatibility
- Natural cooling, easy installation
- Certification available



## BATTERY CABINET

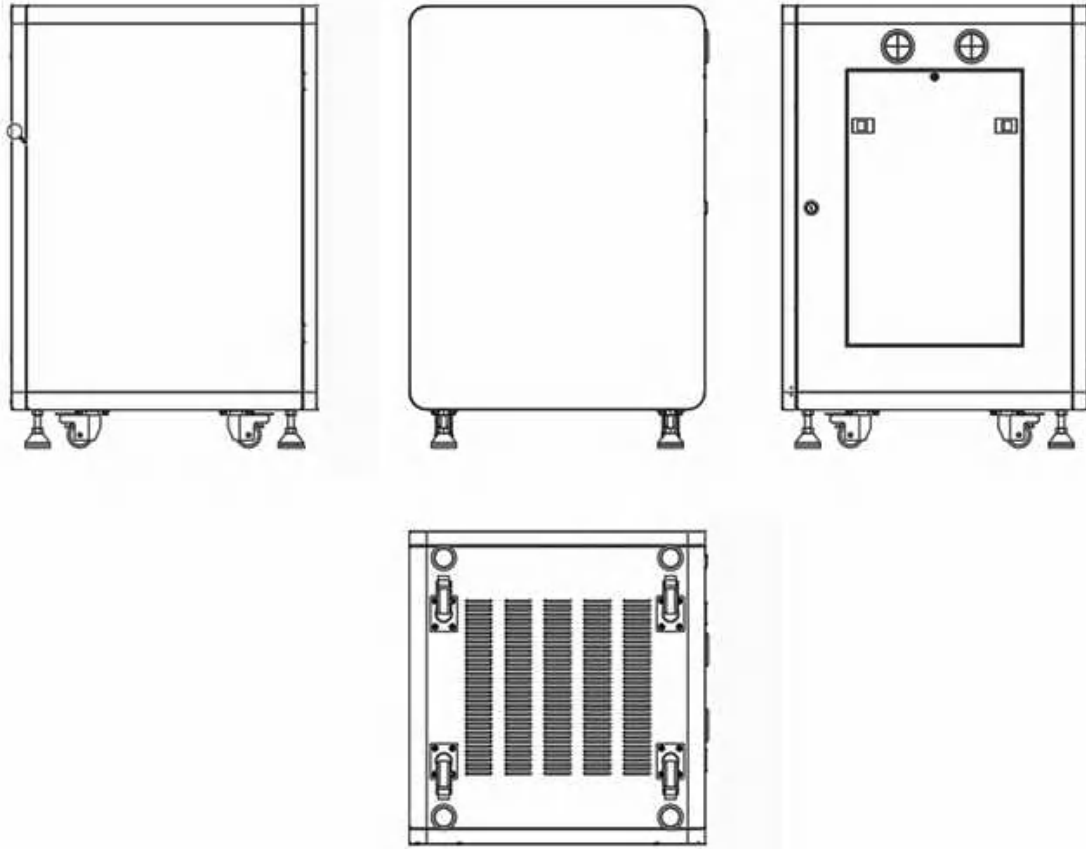


## PRODUCT SPECIFICATION

Model	STFBC001
Dimension(WDH)	600x600x882.5mm
Partition	4
Material	Ion steel
Protect Level	IP20
Max.Power	20Kwh
Warranty	3 years

- Standard 3U chassis size.
- Adopt high-quality, stable, long-life aluminum shell LiFePO4 battery.
- With charging current limiting function, it is safer when connected in parallel.
- The design adopts dual-port output, which is more convenient for parallel connection.
- Precise LED power display and status display.

## BATTERY CABINET LINE DRAWING



## DIFFERENT ANGLES OF BATTERY CABINETS



PRODUCT SPECIFICATION

Model	STF512100
Nominal Voltage	51.2V
Capacity	100Ah
Nominal Energy	5.12kWh
Discharge Voltage	45~54V
Charge Voltage	51.5V~54V
Cont. Charge Current	30A
Cont. Discharge Current	30A
Max. Discharge Current	50A
Operating temperature	0°C ~ 45°C (Charge) / -20°C ~ 45°C (Discharge)
Scalability	Up to 5 units
DOD	90%
Communication	CAN/RS485
Cycle Life	>6000
IP Grade	IP20
Installation	Cabinet
Dimension	440*530*132mm
Weight	45kg
Warranty	3 Years

