

YOUR SAFE ENERGY

LITHIUMVALLEY

liquid-cooled battery cabinet

Application Scenarios:



villa



construction
site



farms



plant



Communications
base station

Model: SC52T04-314

Nominal Energy: 208.998kWh

Nominal Voltage: 665.6V



Features and Advantages

SAFETY TECHNOLOGY

- Pre-installed liquid-cooled safety battery module
- Real-time monitoring and prevention of temperature, smoke, combustible gases, etc.
- Built-in battery module-level fire suppression system
- Built-in battery cabinet-level fire suppression system

LONGER LIFESPAN AND HIGHER EFFICIENCY

- A+ grade 280Ah lithium iron phosphate
- 15-20 years design life
- Charging and discharging efficiency up to 92.5%

FLEXIBLE and EXPANDABLE

- In the same cabinet, five capacity options are available: 186 kWh, 232 kWh, 279 kWh, 326 kWh, and 372 kWh.
- Supports up to 10 cabinets in parallel

ENERGY MANAGEMENT SYSTEM

- Emergency power supply
- Self-consumption
- Peak shaving
- Micro-grids power supply
- Demand mitigation
- Price arbitration

SMART

- Proprietary BMS and EMS for real-time monitoring and intelligent management

COMPLIANCE

IEC62619, IEC62477, EC62933-5-2, IEC63056,
IEC61000-6-2/4 UN3480, UN38.3

Technical Parameter

Part Number

SC52T04-314

Battery Data

Nominal energy	208.998kWh
Nominal voltage	665.6V
Battery chemistry	Lithium iron Phosphate(LiFePO4)
Cycle life	≥8000(@25℃, 0.5C)
Cell specification	3.2V/314Ah
Battery module Energy	52.25kWh
String configuration	1P208S
Number of strings	1
Operating voltage range	582.4V~759.2V
Recommended charging power	186kW
Recommended discharging power	186kW

General Data

Dimension(WxDxH)	(1300mm×1550mm×2090mm)
Weight	≤1700kg
IP rating	IP54
Cooling method	Liquid cooling
Fire suppression system	Gas aerosol
Cabinet temperature	-4°F to 122°F(-20℃ to 50℃)
Charging temperature	32°F to 122°F(0℃ to 50℃)
Discharging temperature	-4°F to 122°F(-20℃ to 50℃)
Relative humidity	5%~95%
Altitude	≤9842ft(3000m)
Communication interfaces	CAN
Standards	UN38.3/ IEC 62477/ IEC 62619/ IEC 62933/ IEC63056/ EC61000

