



50kW Hybrid inverter / 100 kWh Battery

Air Cooling Commercial & Industrial Energy Storage System



Flexible

Scalable
Highly integrated
All pre-assembled



Reliable

Electric safety protection
Multi level battery protection
Fire suppression system



Efficient

Intelligent cooling system
Higher system efficiency

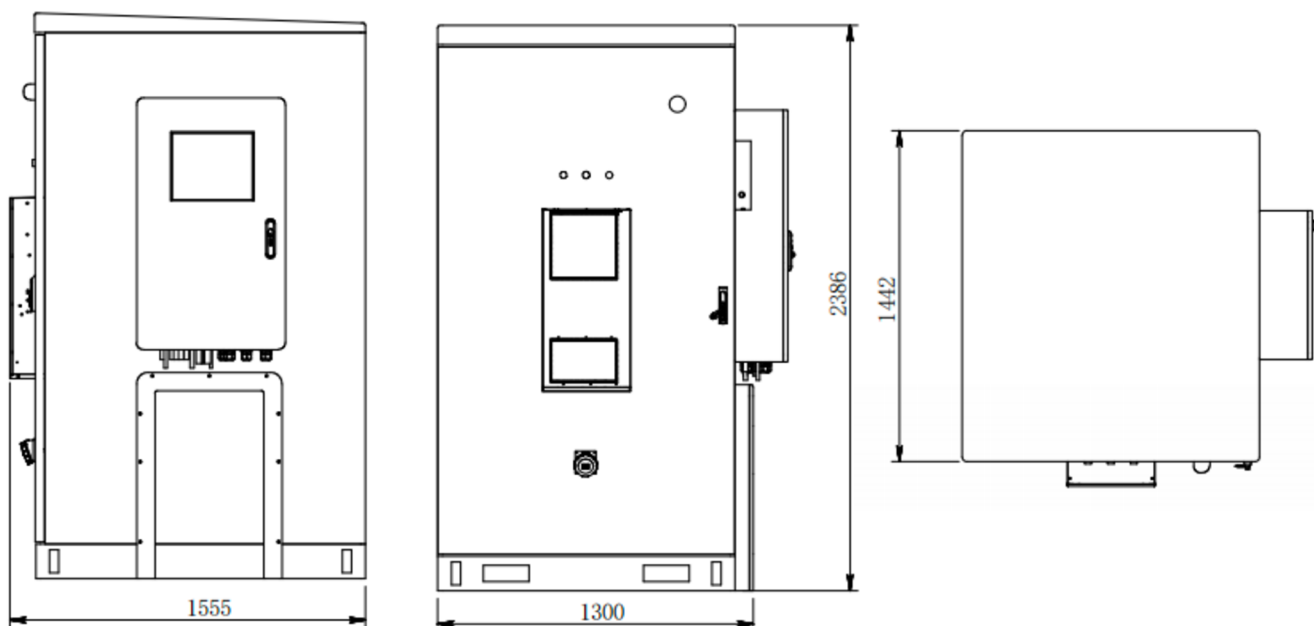


Smart

State monitoring & faults record
Battery performance monitoring

— DC — AC
--- COM --- Optional





PBT100-HP50

DC Side Parameters	
Full Configuration Capacity (kWh)	100
Cell Parameters	LFP-3.2 V / 280 Ah
Module Parameters	LFP 1P16S -51.2 V / 14.34 kWh
Rated Voltage (V)	409.6 V
Maximum DC Current (A)	150 A
DC Voltage Range (V)	150~840 V
Charge/Discharge Rate	70%EOL @ 25°C / 0.5C
Cycle Life (Cycles)	7,000≥80%DOD
AC Side Parameters	
Rated Power	50 kW
Rated Output Voltage	400 VAC,3L+N+PE
Rated Output Current	75 A
Frequency	50 Hz / 60 Hz
Total Harmonic Distortion (THD) of Voltage	< 3% (at rated power)
Continuous Overload	1.2Pn for 1 minute
Power Factor Range	-1~+1
Permissible Grid Voltage	-
Standard Parameters	
Communication Interface	RS-485 / CAN
Temperature Control Solution	Air Cooling
Fire Protection Solution	Aerosol Fire Protection System
Altitude (m)	3000m>2000m Derating)
Operation temperature range (°C)	Charge Temperature: 0°C~60°C Discharge Temperature: -20~60°C
Permissible Relative Humidity (%Rh)	0~95% Non-condensing
Protection Rating	IP55
Anti-corrosion degree	C4
Dimensions (WDH) (mm)	1300 x 2386 x 1442
Full Configuration Weight	2250 kg
Product Certification	IEC62619, CE-EMC, LVD, ROHS,UN38.3