

- Integrated design with flexible and variable module layout; small footprint, high energy density, easy maintenance.
- Uses lithium iron phosphate (LiFePO4) power cells, with independent fire protection and fault warning management systems, ensuring safety and reliability.
- Supports user terminal monitoring to understand system operation.

PROJECT	SYSTEM PARAMETERS
Battery Cell	LFP,3.2V/314AH
Battery box	1P36S-115.2V/,36.17KWH
Battery box quantity	3pcs
System rated power	108.52kwh
System rated voltage	345.6v
System voltage range	291.6v~394.2v(2.7v~3.65v)
Charge and discharge rate	≤ 0.5C
Discharge Depth	95%
Communication interface	RS485/CAN
Cooling method	Intelligent air cooling
Fire protection system	Aerosol Adhesive
PCS	
Rated power	50KW
AC current harmonics	<5% (rated power)
DC component	<0.5%
Rated grid voltage	230V/400V
Grid voltage range	-20%~15 %
Rated grid frequency	50/60Hz
Maximum efficiency	97.8%
Wiring method	Three-phase four-wire
Communication interface	RS485/CAN
Grid-connected switching	Supports on-grid and off-grid switching , with built-in STS (switching time <5mS)
MPPT	
Rated power	38.4KW+38.4KW
PV side voltage	250~700V
Maximum efficiency	>99%
SYSTEM	
Installation Location	Outdoor installation (it is recommended to build a canopy)
Protection level	IP55
Corrosion resistance	none
Operating humidity range	5~95% (no condensation)
Operating temperature range	-20~60 °C
Maximum operating altitude	3000m (>2000m derating)
Dimensions (length*width*height)	880*1050*1600
weight	About 1000kg

STANDARD ENERGY STORAGE CABINET

