

- 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 type	LFP,3.2V/280AH
Battery module	16S1P-51.2V280AH,14.336KWH
Number of battery modules	3pcs
Rated capacity	43kwh
Rated voltage	51.2v
Voltage range	41.6v~58v(2.6v~3.65v)
Charge and discharge rate	≤0.5C
Discharge depth	95%
Communication interface	RS485/CAN
Cooling method	Natural air cooling
Fire protection system	None
PCS	
Rated power	10KW*2 (single-phase inverter)
Input source	L+N+PE
Voltage	220V/230V/240VAC
Frequency	50/60Hz
Output voltage	220V/230V/240VAC±5%
Rated grid frequency	50/60Hz±0.1%
Maximum efficiency	98%
Waveform	Pure sine wave
Communication interface	RS485/CAN
Grid switching	Optional grid-connected function
MPPT	
Rated power	2*5500W (dual circuit)
PV side voltage	90~500V (optimal voltage 300~400V)
Maximum current	150A
SYSTEM	
Installation location	Indoor
Protection level	IP55
Display	LCD display: operation mode/load/input/output, etc.
Operating humidity range	20~95% (non-condensing)
Operating temperature range	-20~60°C
Maximum operating altitude	4000m (>1000m derating)
Dimensions (length * width * height)	
Weight	

STANDARD ENERGY STORAGE CABINET

