

Home Energy Storage System

CONSNANT
Constant Electric Power



Solar Power



PC



TV



Fridge



Electric fan



DVD



Air conditioning



FM Radio

SmartCube

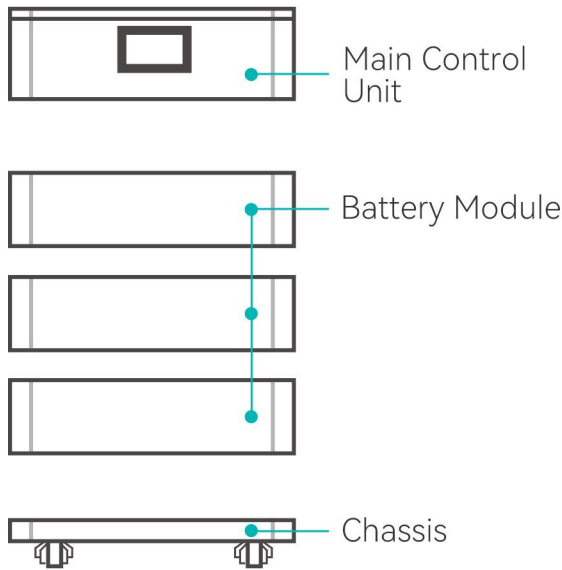
5/10/15/20/25kwh





All in one - battery with inverter

Integrated hybrid solar inverter with 100A MPPT,
Grade A LFP battery,
Smart LCD display and remote monitoring



MODULAR STACK DESIGN:

Flexible power usage allocation, easy to expand capacity.



BUILT-IN BMS:

Safeguard for battery, easy to maintenance.



PELLEY DESIGN:

Chassis with pulley, easy to move.



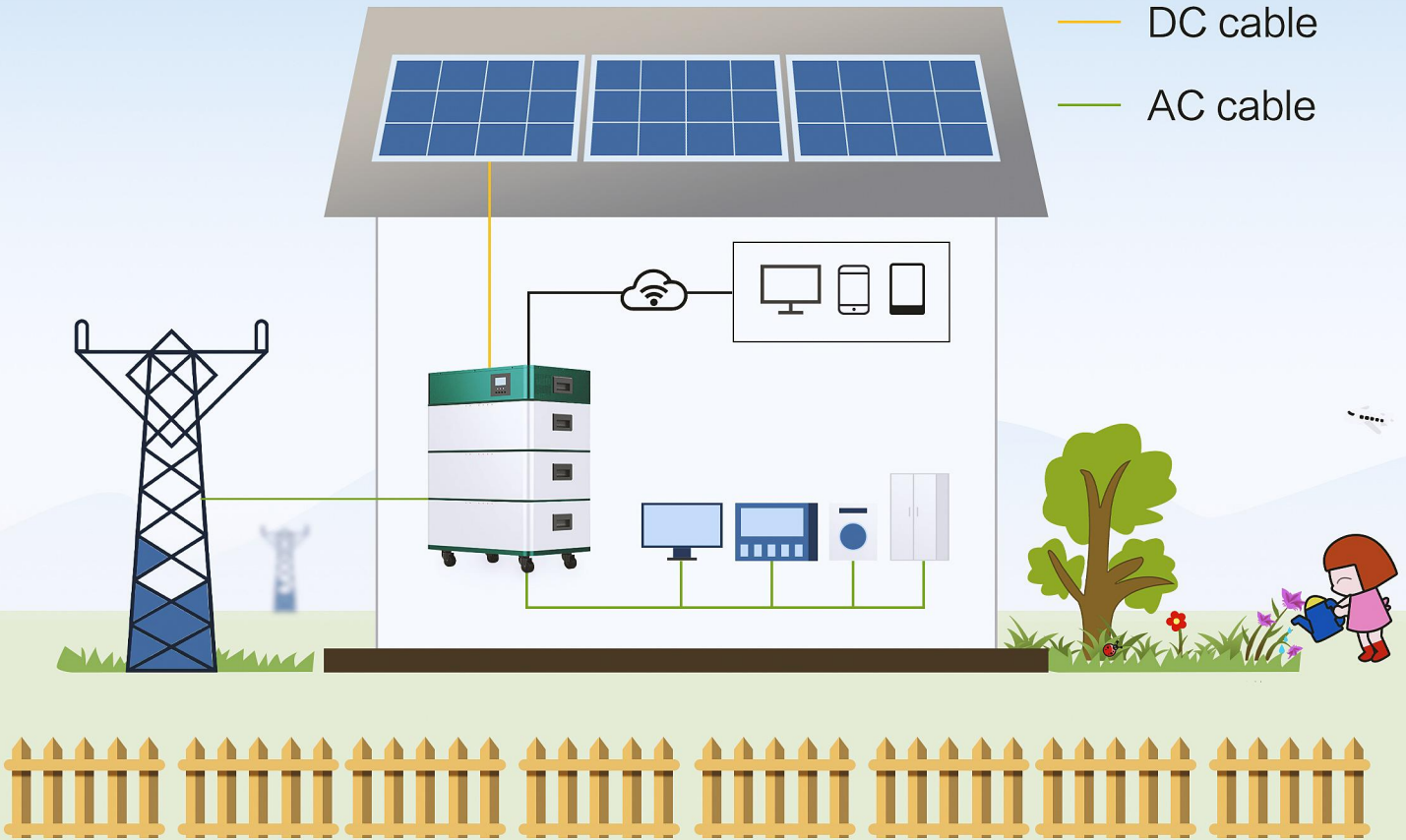
EASY TO USE:

Intelligent user interface, internal plug and play, barrier-free operation.



USAGE SCENARIOS

OFF-GRID
BACKUP SOLUTION



Product Size:



PERFORMANCE PARAMETERS

| Model | SmartCube | | | | |
|---------------------------------|---|-------|-------|-------|-------|
| Capacity | 5KWH | 10KWH | 15KWH | 20KWH | 25KWH |
| Phase | Single-phase | | | | |
| Output power | 3.5kw/5.5kw optional | | | | |
| Rated voltage | 25.6V/51.2V | | | | |
| Rated capacity | 100AH | 200AH | 300AH | 400AH | 500AH |
| Max.Solar Charge Current | 100A | | | | |
| Max.AC Charge Current | 60A | | | | |
| Expandable battery quantity | 1~5 units | | | | |
| Optional capacity range | 5~25KWH | | | | |
| Cooling-down method | Fan Cooling | | | | |
| Battery type | Lithium iron phosphate | | | | |
| Battery life | >15 years @25°C | | | | |
| Cycle life | 6,000 times (25±2°C, 0.5C charge and discharge) | | | | |
| Rated grid frequency | 50Hz / 60Hz (automatic detection) | | | | |
| Grid voltage range | 170~280VAC(for personal computer); 90~280VAC(for home appliances) | | | | |
| Maximum PV input power | 5000W/6000W | | | | |
| MPPT voltage range | 120~450VDC | | | | |
| The charge/discharge efficiency | up to 93.5% | | | | |
| Compatible parameters | | | | | |
| Certification | CE | | | | |
| Safety regulations | IEC 62109-1&-2, IEC 62477, EN61000, UN38.3 | | | | |
| Mechanical parameters | | | | | |
| Inverter Dimensions / Weight | 610*430*158mm/16.5KG | | | | |
| Battery size / weight | 610*430*180mm / 48KG (per layer) | | | | |
| Chassis size / weight | 610*430*110mm/8KG | | | | |
| Installation method | Stacking type | | | | |
| Enviromental parameters | | | | | |
| Storage humidity | 5% to 95% relative humidity (no condensing) | | | | |
| Operating temperature | -10°C~50°C | | | | |
| IP Class | IP21 | | | | |