

04 Residential Energy Storage Battery



Joysun Residential ESS enables you obtain power from PVpanels, utility grid, diesel generators. The power of the hybrid inverter rated from 3kW-12kW and battery capacity could be expanded from 5.12kWh-40.96kWh, it can meet your family daily electricity consumption , absolutely a better choice for household UPS.

- Wall mount compact design, 5/10kWh available
- Multifunction: Load-matching, backup, peak-shaving model
- Support up to 16 modules in parrallel
- Cycle time more than 4000 cycle times, 3 years warranty
- Match various off-grid and hybrid inverters
- Accept OEM/ODM

| Model | JM-05 | JM-10 |
|---|---|----------------|
| Technical Specifications | | |
| Battery Type | LiFePO4 | |
| Norminal Battery Energy | 5.42KWh | 9.42KWh |
| Combination Method | 16S1P | |
| Nominal Capacity | 106 Ah | 184 Ah |
| Minimal Capacity | 104Ah | 179 Ah |
| Nominal Voltage | 51.2V | |
| Charging Cut-off Voltage | 58.4V | |
| Dicharging Cut-off Voltage | 43.2V | |
| Standard Charge | 0.5C (50A) | 0.5C (92A) |
| Quick Charge | 1C (100A) | 0.68C (125A) |
| Discharge Current | 100A | |
| Cycle Life | (0.2C,25°C@80% DOD) > 4000 times | |
| Warranty Life | 3 years | |
| Communication Type | CAN , RS485 , RS232 | |
| Parallel Qnt | 16 sets (Does not support concatenation) | |
| Mechanical Specifications | | |
| Weight | 50±1kg | 84 ± 1Kg |
| Dimension (D/W/H) | 540*495*173mm | 708*560*160 mm |
| Installation Mode | Wall mounting | |
| IP Grade | IP20 | |
| Certification and Specifications | | |
| Safety (Pack) | UN38.3,MSDS | |
| Safety (Cell) | UN38.3,MSDS | |
| Protection Function | Single overvoltage/undervoltage,charging/discharging overcurrent, short circuit,temperature | |
| Environmental Specifications | | |
| Operating Temperature | Charge : 0 °C ~ 50°C; Discharge : -20 °C ~ 60 °C; | |
| Humidity | 60±25%R.H. | |