



Hybrid - ESS - C&I -30



Product Features



High Security

- High density phosphate lithium cell
- BMS Two-levels architecture design, combined with EMS platform, is more intelligent and efficient in monitoring product operation status
- Industrial grade outdoor cabinet, paired with intelligent air conditioning, can handle various usage environments



High Integration

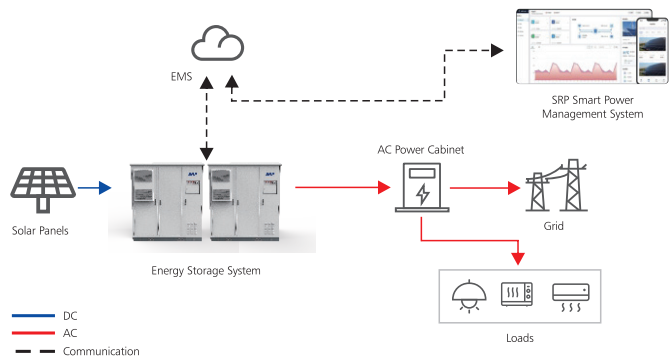
- The machine covers an area of about 1.1m²
- Modular design for more flexible capacity matching



Convenient Installation

- Whole machine transportation, saving installation time and cost
- Hybrid inverter integration, saving inverter and battery debugging and assembly costs
- Built in power distribution circuit, making customers more worry free

Topology diagram of system scheme



| | SRP-C&I-30kW-60KWh-H | SRP-C&I-30kW-70KWh-H | SRP-C&I-30kW-76KWh-H |
|------------------------------------|----------------------|---|----------------------|
| DC Parameters | | | |
| Series & Parallels(Cell) | 1P&24S | 1P&24S | 1P&24S |
| Series & Parallels(module) | 1P&8S | 1P&9S | 1P&10S |
| Nominal Voltage (V) | 614.4 | 691.2 | 768 |
| Nominal Capacity (Ah) | 100 | 100 | 100 |
| System Energy (kWh) | 61.4 | 69.1 | 76.8 |
| Usable Energy(kWh) | 58 | 65 | 73 |
| Nominal Ch/Discharge Current(A) | 30 | 30 | 30 |
| Max. Discharge Current(A) | 50 | 50 | 50 |
| Max. Charge Current(A) | 50 | 50 | 50 |
| Operating Voltage Range(V) | 537~681 | 604.8~766.8 | 672~852 |
| MPPT Voltage Range (V) | | 350~900 | |
| Max. Input Current per MPPT (A) | | 26/26/26 | |
| No. of MPPT | | 3 | |
| No. of Strings per MPPT | | 2 | |
| AC Parameters | | | |
| Nominal Output Active Power (W) | | 30000 | |
| Nominal Output Apparent Power (VA) | | 30000 | |
| Max. Output Apparent Power (VA) | | 33000 | |
| Nominal Output Voltage (V) | | 380 / 400 / 415, 3L + N + PE | |
| Output Voltage Range (V) | | 277~520(Adjustable) | |
| Nominal Output Frequency (Hz) | | 50/60 | |
| Output Frequency Range (Hz) | | 45~65(Adjustable) | |
| Max. Output Current (A) | | 43.5*3 | |
| Power Factor | | ~1 (Adjustable from 0.8 leading to 0.8 lagging) | |
| THDi | | <3% | |
| Back-up Output Data | | | |
| Nominal Output Apparent Power (VA) | | 30000 | |
| Max. Output Apparent Power (VA) | | 33000 | |
| Nominal Output Voltage (V) | | 230 | |
| Nominal Output Frequency (Hz) | | 50/60 | |
| Max. Output Current (A) | | 47.8*3 | |
| Transfer Time (ms) | | 10(typ)/20(max) | |
| THDv @ Linear Load | | <3% @100% R Load | |
| General Parameter | | | |
| Ingress Protection Rating | | IP54 (out door)/ IP20(in door) | |
| Relative Humidity | | 0~95%(No condensation) | |
| Operating Temperature (°C) | | -25~65 | |
| Max. Operating Altitude (m) | | 3000 | |
| Communication | | RS485/RS232/Wi-Fi | |
| Dimension (W*D*H mm) | 800*800*2200 | 800*800*2200 | 800*800*2200 |
| Max. Weight (kg) | 1120 | 1200 | 1270 |