



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

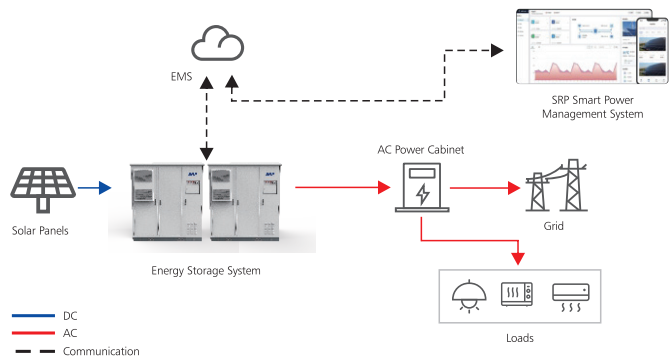
- The machine covers an area of about 1.1m²
- Modular design for more flexible capacity matching



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	SRP-C&I-30kW-85KWh-H
DC Parameters				
Series & Parallels(Cell)	1P&24S	1P&24S	1P&24S	1P&24S
Series & Parallels(module)	1P&8S	1P&9S	1P&10S	1P&11S
Nominal Voltage (V)	614.4	691.2	768	844.8
Nominal Capacity (Ah)	100	100	100	100
System Energy (kWh)	61.4	69.1	76.8	84.4
Usable Energy(kWh)	58	65	73	80
Nominal Ch/Discharge Current(A)	30	30	30	30
Max. Discharge Current(A)	50	50	50	50
Max. Charge Current(A)	50	50	50	50
Operating Voltage Range(V)	537~681	604.8~766.8	672~852	740~937
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	800*800*2200
Max. Weight (kg)	1120	1200	1270	1350