



PCS - ESS - C&I -100



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

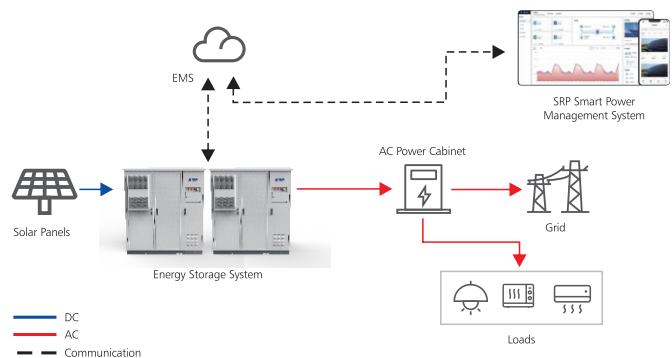
- The machine covers an area of about 2.3m²
- Modular design for more flexible capacity matching



Convenient Installation

- Whole machine transportation, saving installation time and cost
- Integrated 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-100kW-200KWh-P	SRP-C&I-100kW-215KWh-P
DC Parameters		
Series & Parallels (Cell)	1P&16S	1P&16S
Series & Parallels(Module)	1P&14S	1P&15S
Nominal Voltage (V)	716.8	768
Nominal Capacity (Ah)	280	280
Nominal Ch/Discharge Current(A)	75	75
System Energy (kWh)	200.7	215
Usable Energy(kWh)	185(95%DOD)	200(95%DOD)
Max. Discharge Current(A)	140	140
Max. Charge Current(A)	140	140
Operating Voltage Range(V)	627~795	672~852
AC Parameters		
Nominal Output Voltage (VAc)	400±10% 3L+(N)	
Nominal Output Frequency (Hz)	50/60±5 (self-adaption)	
Power Factor	0.99	
Power Factor Adjustment Range	1.0 lag to 1.0 lead	
THDi	≤3%	
Nominal Output Power (kW)	100	100
Max. Output Power (kW)	110	110
Nominal Output Current (A)	140	140
Max. Discharge Efficiency	≥98.2%	
Overload Capacity	110.0%	
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)	2000	
Communication	RS485/CAN	
Dimension (W*D*H mm)	1950*1100*2200	1950*1100*2200
Max. Weight (kg)	2100	2200