

PCS - ESS - C&I -50



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

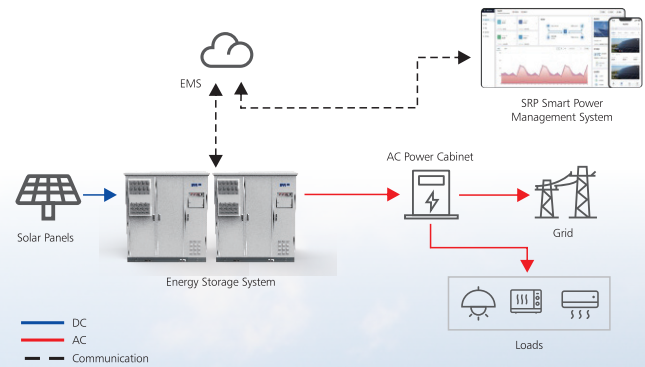
- The machine covers an area of about 1.2m²
- Modular design for more flexible capacity matching



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-50kW-76KWh-P	SRP-C&I-50kW-85KWh-P	SRP-C&I-50kW-92KWh-P
DC Parameters			
Series & Parallels (Cell)	1P&24S	1P&24S	1P&24S
Series & Parallels (moduel)	1P&10S	1P&11S	1P&12S
Nominal Voltage (V)	768	844.8	921.6
Nominal Capacity (Ah)	100	100	100
Nominal Ch/Discharge Current(A)	50	50	50
System Energy (kWh)	76.8	84.48	92.1
Usable Energy(kWh)	73(95%DOD)	80(95%DOD)	87(95%DOD)
Max. Discharge Current(A)	85	80	70
Max. Charge Current(A)	60	54	50
Operating Voltage Range(V)	696~840	765~924	806.4~1000
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%		
Nomina Output Power (kW)	50	50	50
Max. Output Power (kW)	55	55	55
Nominal Output Current (A)	79	72	62
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)	1200*800*2200	1950*1100*2200	1950*1100*2200
Max. Weight (kg)	1750	1830	1920