

Stacked home hybrid system

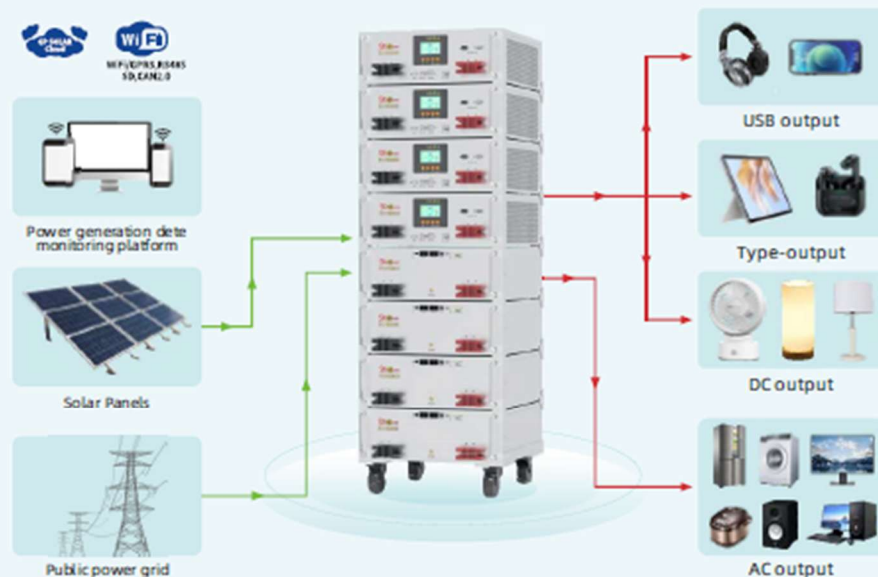
SR-IB series hybrid solar power system

Product Features

- Hybrid inverter can parallel max 9sets 45kw AC output 220/380V .
- Connect to wifi and use your phone to monitor usage.
- each battery pack 5.12 / 10.24 / 15.36kwh you can choose it .
- Built-in battery BMS management system,have a full range of protection functions
- Modular & Stacked Design for easy installation and expansion
- LiFePO4 cells cycle time Up to 10000 times charge/discharge cycles life



Scenario Application Sketch





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Technical Parameters

SPECIFICATION	SR-IB-10K20B	SR-IB-10K30B	SR-IB-15K30B	SR-IB-15K40B	SR-IB-20K40B
	SR-IB-20K60B	SR-IB-30K60B	SR-IB-30K80B	SR-IB-40K80B	SR-IB-40K100B
INVERTER / CHARGER					
Inverter Type	Each inverter 5KW/51.2V				
Rated Output Power	10KW				
Output Voltage Waveform	Pure SineWave				
Output Voltage	230VAC 50HZ (3 sets parallel can get 220V or 380V)				
Low DC Warning Voltage	44.8Vdc				
Low DC Cut-off Voltage	43.2Vdc				
Low DC Warning Return Voltage	44.8Vdc				
Total Charging Current(Grid+solar)	200A Max.				
Bulk Charging Voltage	58.6Vdc				
Float Charging Voltage	57.6Vdc				
LITHIUM IRON BATTERY					
Normal Battery Modular A	51.2V106-150Ah* (3-20sets)				
Normal Battery Modular B	51.2V200-300Ah* (3-20sets)				
Nominal Battery Voltage	51.2Vdc				
Max.Charge Current	100-200A				
Max.Discharge Current	100-200A				
Operation Voltage Range	44.8Vdc ~ 58.4Vdc				
Life of cycle	10000 times 80% DOD 25°C				
Operation Temperature	-23°C~+65°C				
AC INPUT					
Nominal Input Voltage	230Vac Settable: 208/220/230/240 Vac				
input voltage range	90-280V				
Frequency Range	40~70Hz, Default				
Main topology	L+ N+ PE				
Minimum input voltage	90Vac				
Max. AC Input Voltage	280Vac				
Nominal Current (RMS)	45 A				
Max Current (RMS)	50A Max.				
SOLAR INPUT					
Nominal PV Voltage	450Vdc				
PV Array MPPT Voltage Range	120Vdc~450Vdc				
Max Open Circuit Voltage	550Vdc				
Solar Charging Current	each inverter 100A Max.				
PRODUCTS SIZE (mm)	Based on the customer's actual configuration				
WEIGHT (KG)	Based on the customer's actual configuration				
PROTECTION					
Protection	Overcharge protection、Overdischarge protection、Overcurrent protection、Shortcircuit protection、Overtemperature protection				
AMBIENT					
Noise(dB)	< 30°C < 40dB (1 meter)				
Working Temperature	-23°C~+65°C				
Humidity	0~95% (no condensation)				
Sea Level(m)	≤ 3500				
OTHERS					
Effeciency	92.0%				
Warranty	5 Years				