30/36/40/50kW HYBRID INVERTER /112kWh BATTERY

Air Cooling Commercial & Industrial Energy Storage System

Max.**200%** rate
PV Over-sizing Multiple

Max. **95%**
Battery System Efficiency

314 Ah
Battery Capacity

＜**10** ms
Switching Off / On-grid

＜**75** db
Low Noise Operation

0.958 m²
Floor Area

100%
Three-Phase
Unbalanced Output

Max. **5** units(DC)
Parallel expansion
(On-Grid / Off-Grid Mode)



Application Scenarios

- Industrial Parks
- Commercial Complexes
- PV-Storage-Charging Integration
- Data Centers

Flexible

Highly integrated
All pre-assembled
Extendable

Reliable

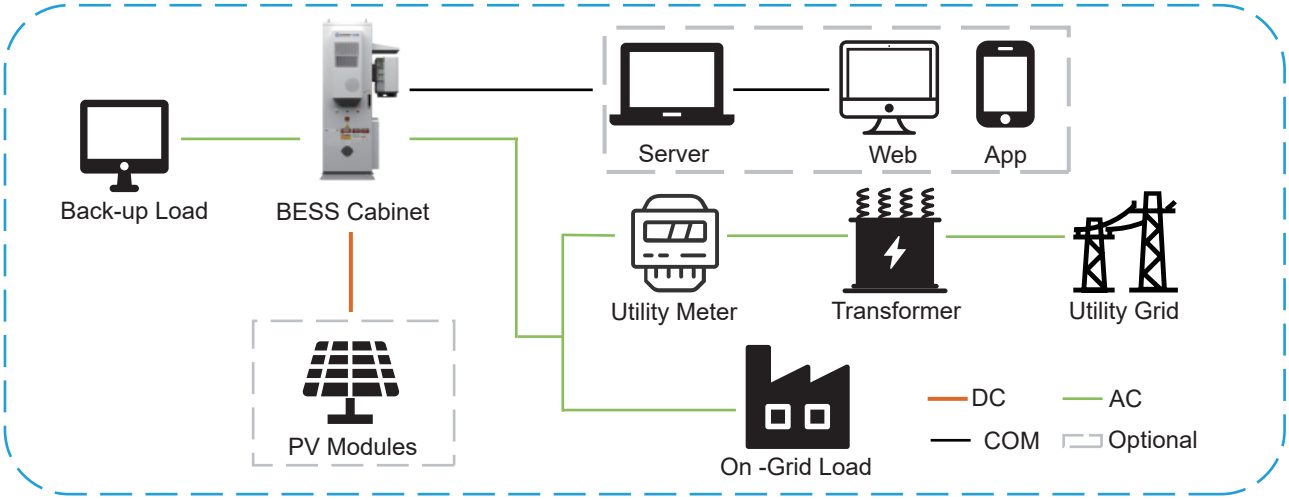
DC electric circuit safety protection
Multi level battery protection
Fire suppression system

Efficient

Intelligent cooling system
＜10ms Switching Off / On-grid

Smart

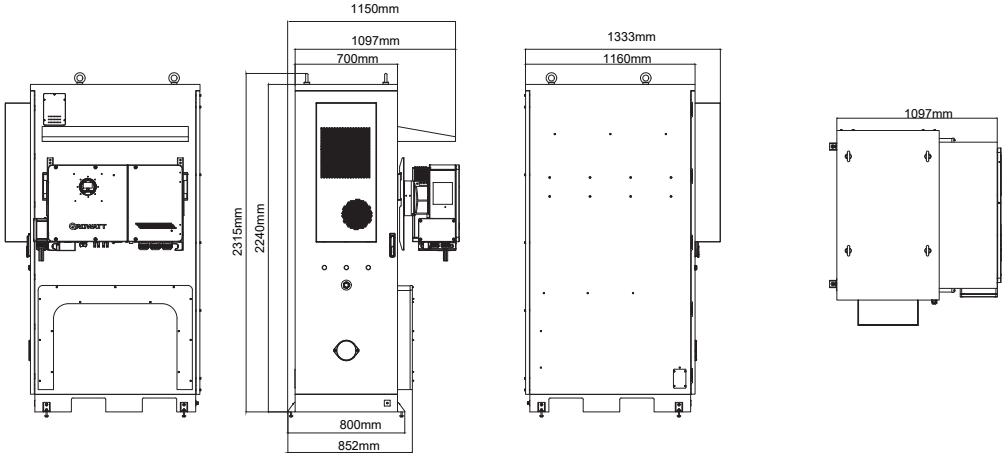
Intelligent cloud platform management, real-time monitoring of operational status



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30/36/40/50kW HYBRID INVERTER /112kWh BATTERY
Air Cooling Commercial & Industrial
Energy Storage System



	Model	SKTESS112-30K	SKTESS112-36K	SKTESS112-40K	SKTESS112-50K
Battery DC	Battery Type	LiFePO4			
	Nominal Capacity	314Ah			
	Battery Configuration	1P112S			
	Nominal Energy	112.537kWh			
	Nominal Voltage	358.4V			
	Operating Voltage Range	313.6~403.2V			
	Max.Continuous Charge / Discharge Current	157A			
	Charge / Discharge Rate	0.5P			
	Max. Charge-discharge Efficiency	95%(@25°C-30°C， 0.5P)			
	Cycle Life	≥ 6000(@25°C ± 2°C , 0.5P / 0.5P, 70% EOL)			
PV	Max.DC Input Voltage	1000V			
	MPPT Voltage Range	375~850V			
	DC Inputs	2 / 2 / 2 / 2			
Back-up	Max.Input Current	40A*4			
	Rated Output Power	30kW	36kW	40kW	50kW
	On / Off-grid Switching Time	≤10ms			
Syetem	Peak Output Apparent Power	45kVA	54kVA	60kVA	75kVA
	Max. AC Output Power	60kW / 30kW	72kW / 36kW	80kW / 40kW	100kW / 50kW
	Grid Type	3P3W+PE / 3P4W+PE			
	AC Output Frequency	50Hz/60Hz, 45-55Hz/55-65Hz			
	AC Output Voltage	380/400V -15%~10%			
	Voltage Harmonic Distorion	<3% (@Linear full load)			
	AC Max. Output Current	100A / 50A	120A / 60A	133.3A / 66 .7A	166.7A / 83 .3A
	Power Factor	>0.99			
	Ingress Protection	IP54			
	Protective Class	Class I			
	Anti-Corrosion Grade	C4			
	Max. System Efficiency	＞88%			
	Operating Environment Temperature	-20°C ~50°C			
	Relative Humidity	5~95 % (non-condensing)			
	Max. Working Altitude	3000(＞2000m derating)			
	Communication	CAN / RS485			
	Cooling	Air Cooling			
	Dimension	1150 × 1333 × 2240 mm			
	Net Weight	1200kg			

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