

50kW HYBRID INVERTER / 112kWh BATTERY

Air Cooling Commercial & Industrial Energy Storage System

Flexible

Highly integrated
All pre-assembled
Extendable

Reliable

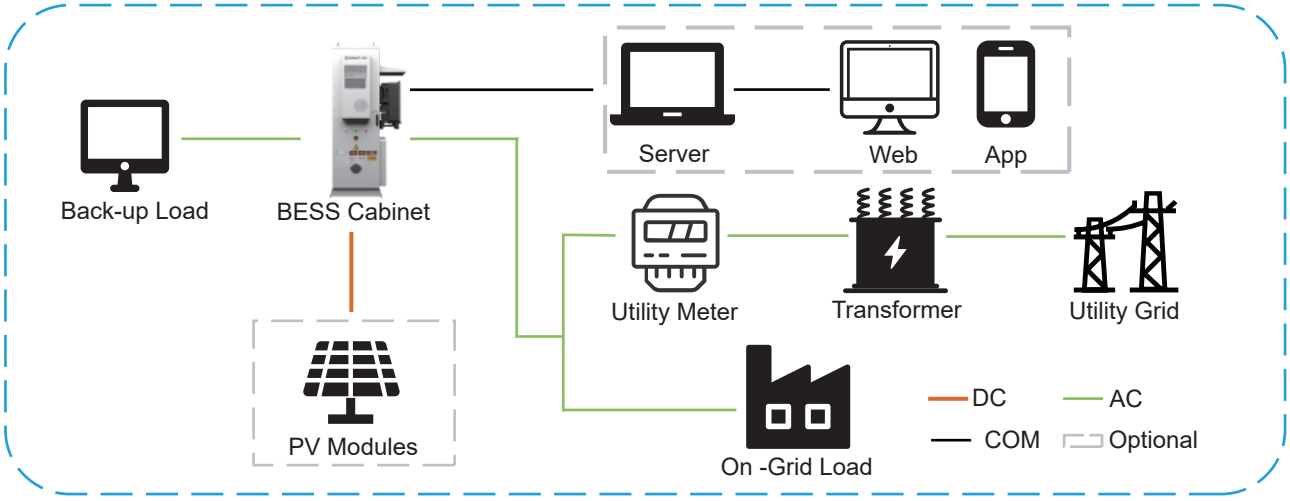
DC electric circuit safety protection
Multi level battery protection
Fire suppression system

Efficient

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

Smart

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

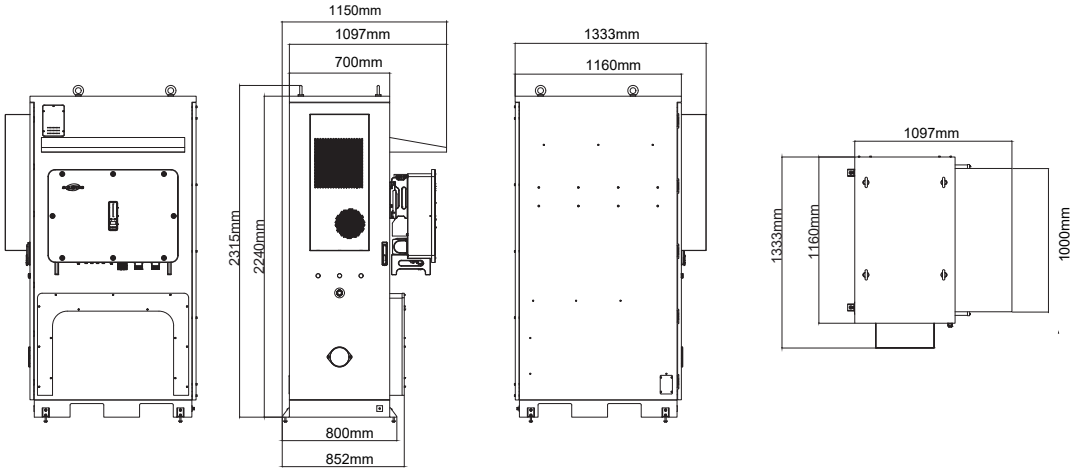


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Air Cooling Commercial & Industrial Energy Storage System



	Model	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	200~950V
	DC Inputs	2 / 2 / 2 / 2
Back-up	Max.Input Current	40A*4
	Rated Output Power	50kW
	On / Off-grid Switching Time	＜10ms
Syetem	Peak Output Apparent Power	1.5 Times Of Rated Output Power, 10s
	Max. AC Output Power	55kW
	Grid Type	3L / N / PE
	AC Output Frequency	50 / 60HZ
	AC Output Voltage	400±5%V
	Voltage Harmonic Distorion	<3% @Linear Load
	AC Max. Output Current	83A
	Power Factor	0.8 Leading … 0.8 Lagging
	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(±5) × 1330(±5) × 2315(±5) mm
	Net Weight	1200kg
	Max. Parallel	5

Specifications are subject to change without further notification

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