



# 50kW HYBRID INVERTER / 112kWh BATTERY

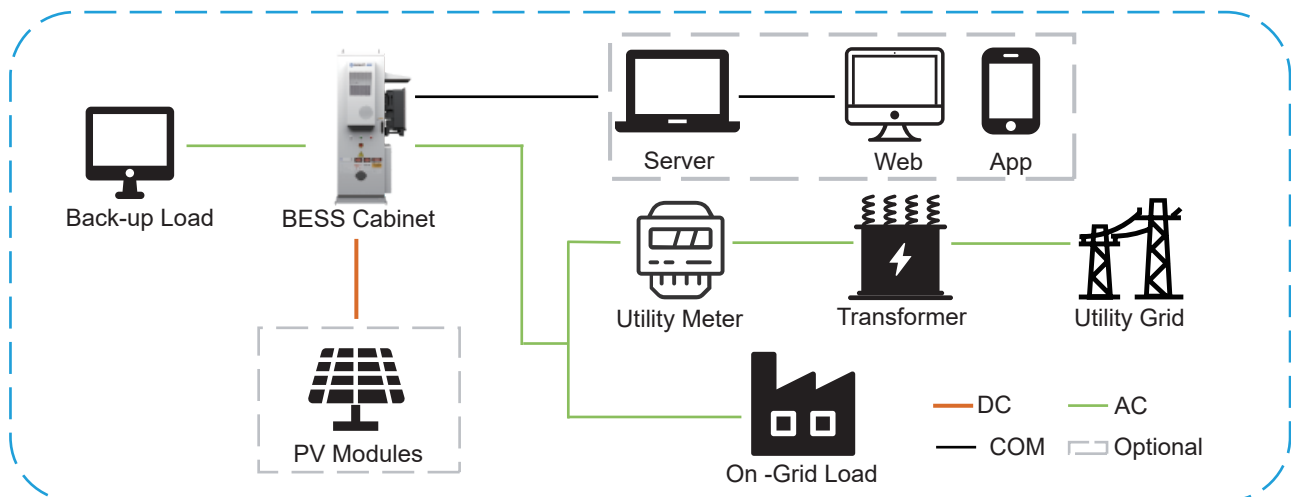
Air Cooling Commercial & Industrial Energy Storage System

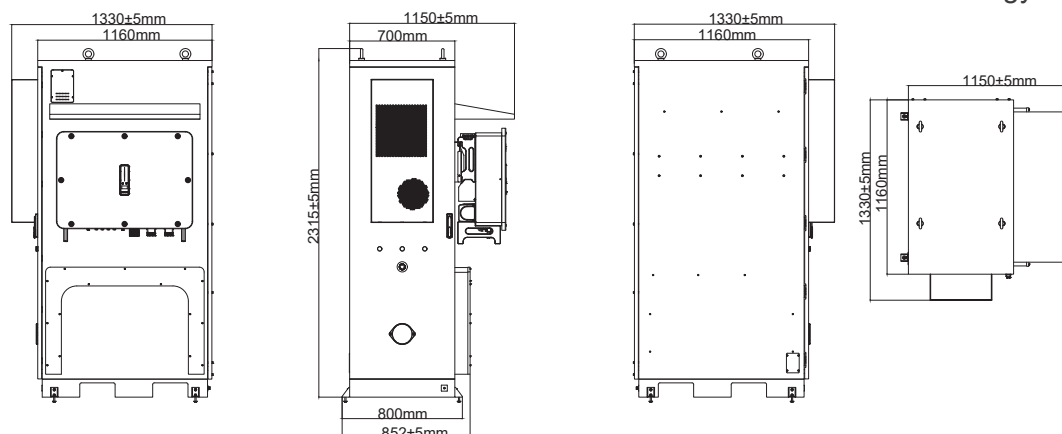
**Flexible**  
Highly integrated  
All pre-assembled  
Extendable

**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





Model		SKTESS112-50K
<b>Battery DC</b>	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 )
<b>PV</b>	Max.DC Input Voltage	1000V
	MPPT Voltage Range	200~950V
	DC Inputs	2 / 2 / 2 / 2
<b>Back-up</b>	Max.Input Current	40A*4
	Rated Output Power	50kW
	On / Off-grid Switching Time	<10ms
<b>System</b>	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	C3 ( C4 Optional )
	Max. System Efficiency	88%
	Operating Temperature Range	-20°C ~50°C
	Storage Temperature	-20°C ~50°C
	Relative Humidity	≤90 % ( 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	