50/63/85/125kW HYBRID INVERTER 261kWh BATTERY

Liquid Cooling Commercial & Industrial Energy Storage System

With a large capacity of 261kWh, a single cabinet can dispatch approximately 2000 kWh of electricity daily. When combined with EMS strategies, it achieves an annual electricity cost savings of 20%-40%. A single cabinet replaces multiple devices, reducing footprint by over 50%, eliminating the need for dedicated equipment rooms, and significantly lowering civil engineering and cable installation costs.



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

Max. **95%**
Battery System Efficiency

314 Ah
Battery Capacity

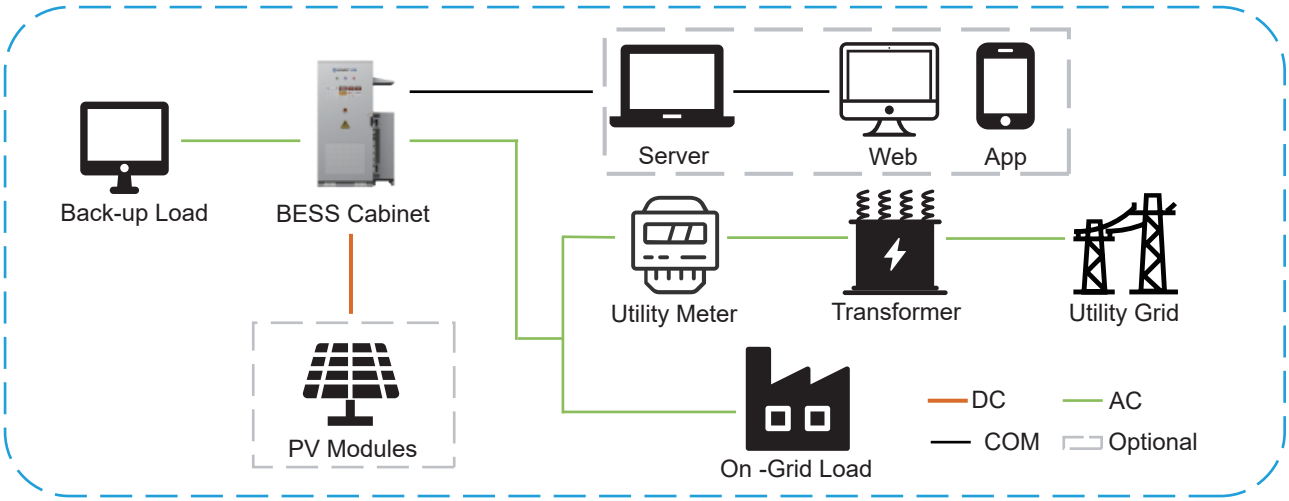
＜**10** ms
Switching Off / On-grid

＜**75** db
Low Noise Operation

1.35 m²
Floor Area

100%
Three-Phase
Unbalanced Output

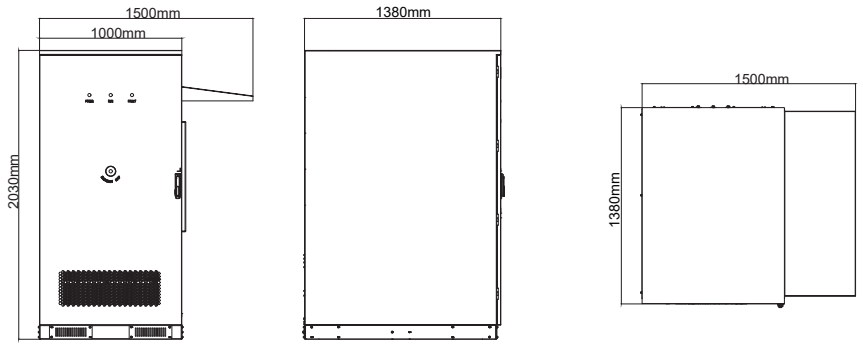
Max. **5** units(DC)
Parallel expansion
(On-Grid / Off-Grid Mode)



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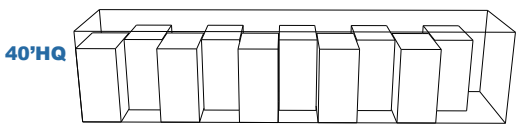
50/63/85/125kW HYBRID INVERTER /261kWh BATTERY
Liquid Cooling Commercial & Industrial Energy Storage System



	Model	SKTESS261-50K 50kW&261kWh-5H	SKTESS261-63K 63kW&261kWh-4H	SKTESS261-85K 85kW&261kWh-3H	SKTESS261-125K 125kW&261kWh-2H
Battery	Battery Type	LiFePO4			
	Nominal Capacity	314Ah			
	Battery Configuration	1P260S			
	Nominal Energy	261.248kWh			
	Nominal Voltage	832V			
	Operating Voltage Range	728~936V			
	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	180 ~ 800V			
	MPPT Number / Max. Input Strings Number	10 / 20	10 / 20	10 / 20	10 / 20
	Max.Input Current	32A*10	32A*10	40A*10	40A*10
Back-up	Rated Output Power	50kW	63kW	85kW	125kW
	On / Off-grid Switching Time	≤10ms			
System	Max. AC Output Power	55kW	69.3kW	93.5kW	137.5kW
	Grid Type	3P4W+PE			
	AC Output Frequency	50/60Hz,45-55Hz/55-65Hz			
	AC Output Voltage	380/400/415V,-15%~+10%			
	Voltage Harmonic Distorion	<3% (@100% load)			
	AC Max. Output Current	83.3A	105A	141.7A	208.3A
	Power Factor	-1…+1			
	Ingress Protection	IP54			
	Anti-Corrosion Grade	C3			
	Max. System Efficiency	≥86%			
	Operating Environment Temperature	-20°C~55°C（>45Derating)			
	Relative Humidity	0~90% (non-condensing)			
	Max. Working Altitude	3000(＞2000m derating)			
	Communication	CAN / RS485 / WiFi / LAN (Optional)			
	Cooling	Liquid Cooling			
	Dimension	1500(Incl. rain shield) × 1380 × 2030mm			
	Net Weight	2300kg(DC)+90kg(Inverter)	2300kg(DC)+160kg(Inverter)		

Packing Configuration

Single Dimension	1100×1506×2200mm
Container	40'HQ
Gross Weight	2400kg
Pieces per Container	10



10 PIECES CONTAINER

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Specifications are subject to change without further notification
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