30/36/50kW HYBRID INVERTER 112kWh BATTERY

Air Cooling Commercial & Industrial Energy Storage System

112kWh energy storage capacity, compatible with hybrid inverters of various power ratings, perfectly suited for smalland micro enterprises, factory workshops, villa complexes, and small charging stations. Solar power is self-generated and self-consumed,with surplus electricity stored in the battery; storing electricity during off-peak hours and discharging during peak hours significantly reduces corporate electricity costs.



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

Max. **95%**
Battery System Efficiency

314 Ah
Battery Capacity

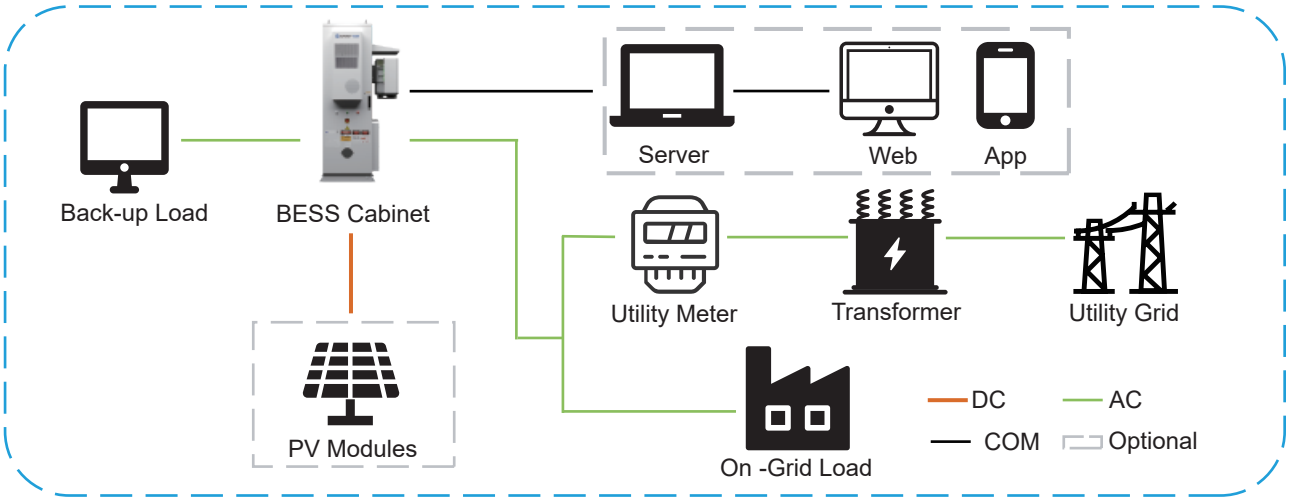
＜**10** ms
Switching Off / On-grid

＜**75** db
Low Noise Operation

0.958 m²
Floor Area

100%
Three-Phase
Unbalanced Output

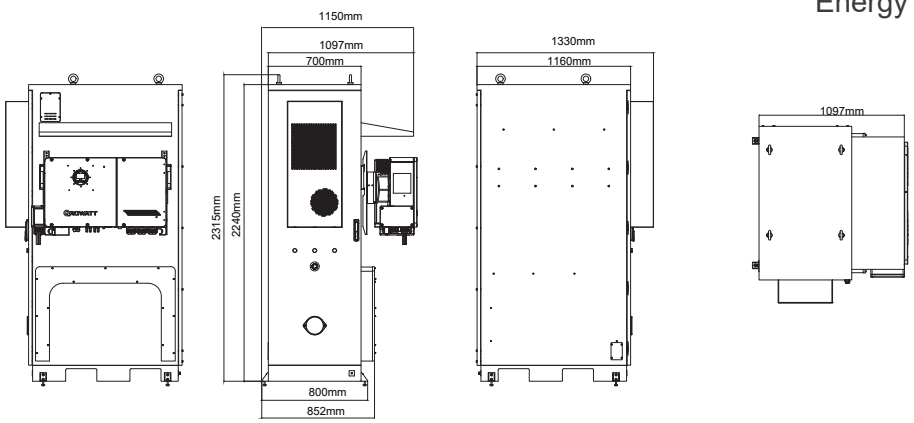
Max. **5** units(DC)
Parallel expansion
(On-Grid / Off-Grid Mode)



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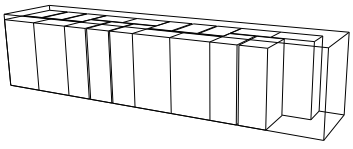


Model		SKTESS112-30K 30kW&112kWh-4H	SKTESS112-36K 36kW&112kWh-3H	SKTESS112-50K 50kW&112kWh-2H
Battery DC	Battery Type	LiFePO4		
	Nominal Capacity	314Ah		
	Battery Configuration	1P112S		
	Nominal Energy	112.537kWh		
	Nominal Voltage	358.4V		
	Operating Voltage Range	313.6~403.2V		
	Max.Continuous Charge / 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	50kW
	On / Off-grid Switching Time	≤10ms		
Syetem	Peak Output Apparent Power	45kVA	54kVA	75kVA
	Max. AC Output Power	60kW / 30kW	72kW / 36kW	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	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(±5)Incl. rain shield × 1330(±5) × 2315(±5) mm		
	Net Weight	1272(±5)kg(DC)+90kg(Inverter)		

Packing Configuration

Single Dimension	900×1400×2470 mm
Container	40'HQ
Gross Weight	1366±5kg
Pieces per Container	19

40'HQ



19 PIECES
CONTAINER

sunket.com
sales@sunket.cn

Specifications are subject to change without further notification
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