

100 / 125kW HYBRID INVERTER / 215 / 241kWh BATTERY

Air Cooling Commercial & Industrial Energy Storage System

Flexible

Highly integrated
All pre-assembled
Extendable

Reliable

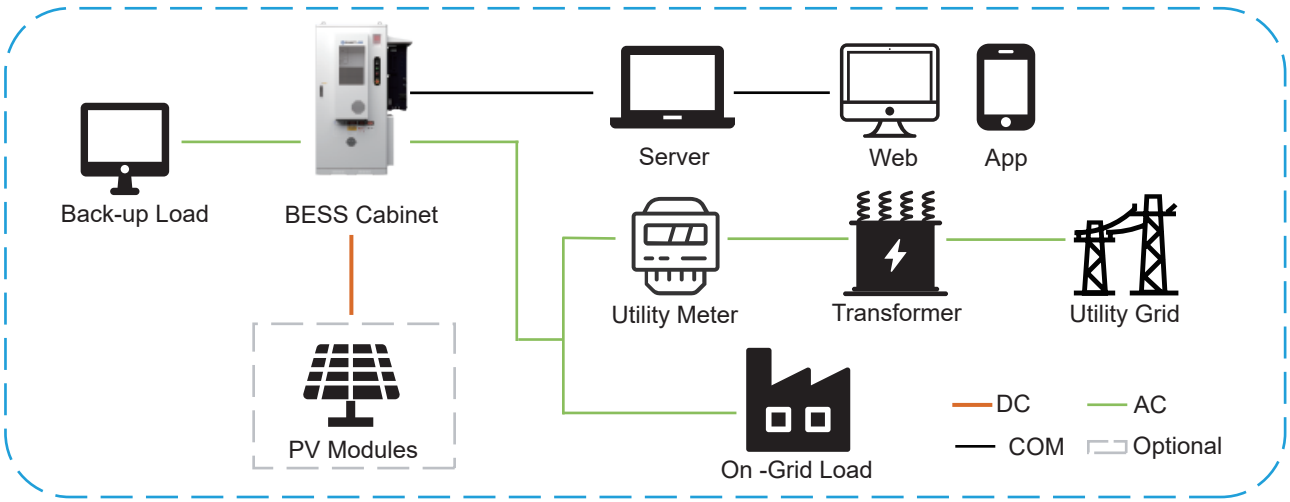
DC electric circuit safety protection
Multi level battery protection
Fire suppression system

Efficient

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

Smart

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

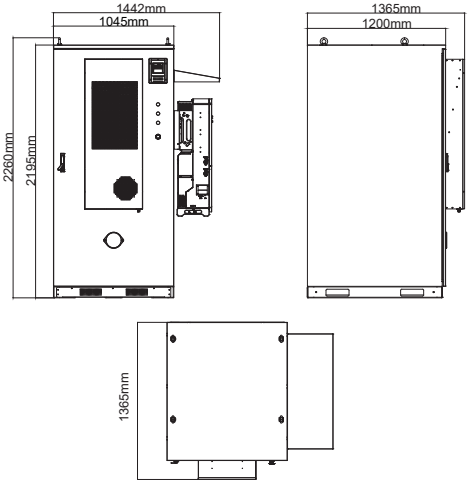


SUNKET-ESS

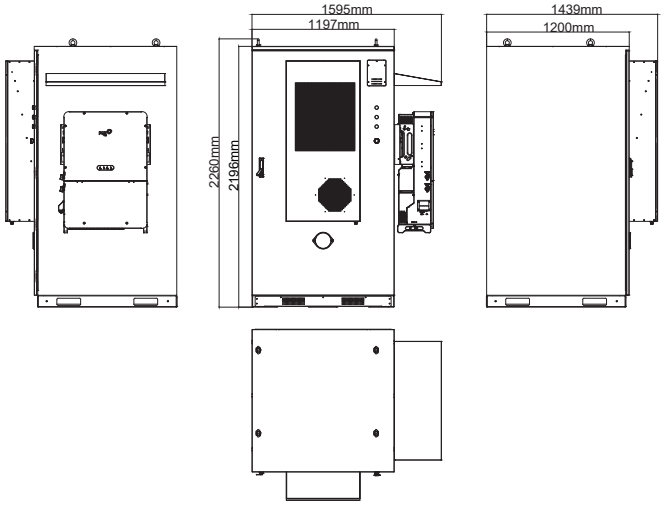
SUNKET-ESS 100 / 125kW HYBRID INVERTER / 215 / 241kWh BATTERY

Air Cooling Commercial & Industrial Energy Storage System

215kWh



241kWh



	Model	SKTESS215-100k	SKTESS241-125k
Battery	Battery Type	LiFePO4	
	Battery Capacity	280Ah	314Ah
	Pack Configuration	1P16S*15	1P16S*15
	Nominal Capacity	215.04kWh	241.152kWh
	Nominal Voltage	768V	768V
	Operating Voltage Range	672~ 852V	672~ 852V
	Max.Continuous Charge / Discharge Current	140A	157A
	Charge / Discharge Rate	0.5C	
	Cycle Life	Cycle Life ≥ 6000 / 5 Years (@25°C ± 2°C , 0.5C / 0.5C, 70% EOL)	
PV	Max.DC Input Voltage	1000V	
	MPPT Voltage Range	180 ~ 850V	
	DC Inputs	2 / 2 / 2 / 2 / 2 / 2 / 2 / 2	
	Max.Input Current	40A*8	
Back-up	Rated Output Power	100kW	125kW
	On / Off-grid Switching Time	＜10ms	
	Peak Output Apparent Power	155kW, 10s	
System	Max. AC Output Power	110kW	137.5kW
	Grid Type	3W+N+PE or 3W+PE	
	AC Output Frequency	50 / 60HZ	
	AC Output Voltage	380 / 400V	
	Voltage Harmonic Distorion	<3% @Linear Load	
	AC Max. Output Current	167.2A	198.5A
	Power Factor	0.8 Leading … 0.8 Lagging	
	Ingress Protection	IP54	
	Anti-Corrosion Grade	C3 (C4 Optional)	
	Max. System Efficiency	88%	
	Charge Operating Temperature	0℃~45℃	
	Discharge Operating Temperature	-20℃~50℃	
	Operating Temperature Range	-20℃~50℃	
	Relative Humidity	5~95 % (non-condensing)	
	Max. Working Altitude	3000(＞2000m derating)	
	Communication	CAN / RS485 / WiFi / LAN (Optional)	
	Cooling	Air Cooling	
	Dimension	1442 × 1365 × 2195mm	1595 × 1439 × 2196mm
	Net Weight	≤2100kg	≤2100kg
	Max. Parallel	5	

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