

25 / 29.9 / 40 / 50kW HYBRID INVERTER / 100kWh BATTERY

Air Cooling Commercial & Industrial Energy Storage System

Flexible

Highly integrated
All pre-assembled
Extendable

Reliable

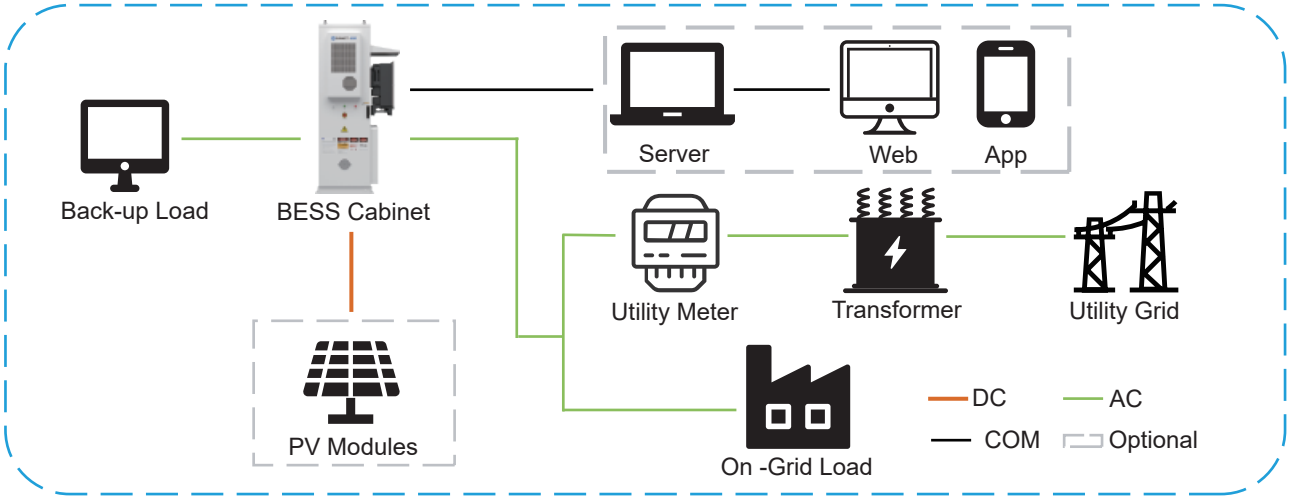
DC electric circuit safety protection
Multi level battery protection
Fire suppression system

Efficient

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

Smart

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

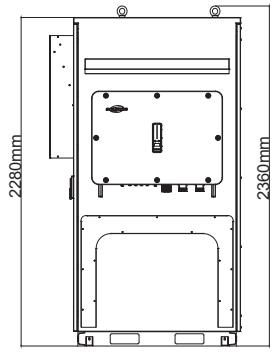


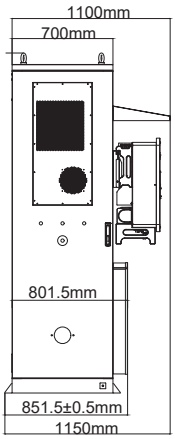
SUNKET-ESS

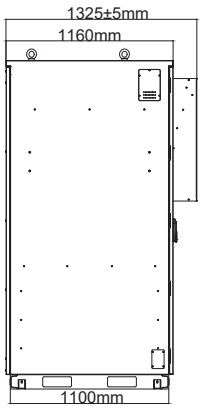
SUNKET - ESS

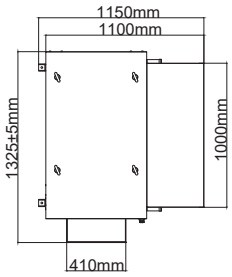
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Model		SKTESS100-25K	SKTESS100-29.9K	SKTESS100-40K	SKTESS100-50K
Battery	Battery Type	LiFePO4			
	Nominal Capacity	280Ah			
	Battery Configuration	1P112S			
	Nominal Energy	100.352kWh			
	Nominal Voltage	358.4V			
	Operating Voltage Range	313.6~403.2V			
	Max.Continuous Charge / Discharge Current	140A			
	Max. Charge-discharge Efficiency	95%(@25°C~30°C，0.5P)			
	Charge / Discharge Rate	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			
	Max.Input Current	40A*4			
Back-up	Rated Output Power	25kW	29.9kW	40kW	50kW
	On / Off-grid Switching Time	＜10ms			
	Peak Output Apparent Power	37.5kVA@10s	45kVA@10s	60kVA@10s	75kVA@10s
System	Max. AC Output Power	25kW	29.9kW	40kW	50kW
	Grid Type	3L / N / PE			
	AC Output Frequency	50 / 60HZ			
	AC Output Voltage	220 / 380V; 230 / 400V; 240 / 415V			
	Voltage Harmonic Distorion	<3% @Linear Load			
	AC Max. Output Current	37.9A	45.3A	60.6A	75.8A
	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 / WiFi / LAN (Optional)			
	Cooling	Air Cooling			
	Dimension	1150 × (1325±5) × 2280 mm			
	Net Weight	≤1340kg			
	Certificates	UN38.3， IEC62619、IEC63056、EN IEC 61000、EN 62477			
	Max. Parallel	5			

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Specifications are subject to change without further notification

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