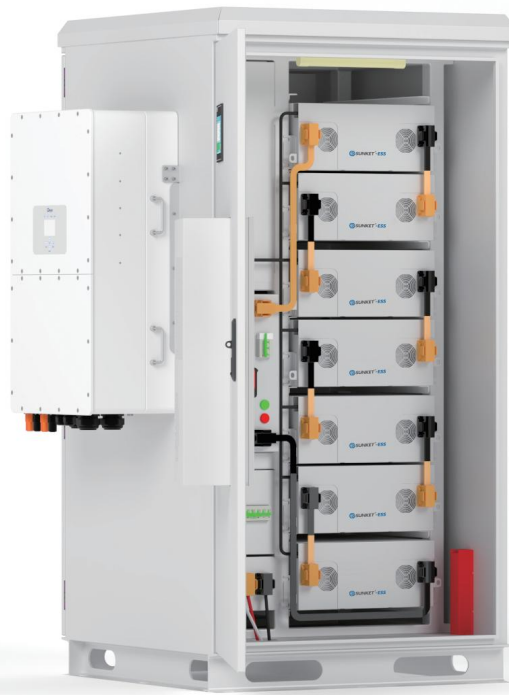




50kW HYBRID INVERTER / 64.5kWh BATTERY

Air Cooling Commercial & Industrial Energy Storage System



High inverter compatibility



Natural cooling system



>15 Years life span



Reliable LFP cells



Scalable up to 1000V



Cells cycle times 6000 cycles



CANbus standard connection



IP20 Rating
Triple hardware protection



Smart BMS system to optimize the performance

System Technical Specifications

Model Number	SKT-ESS-64.5kWh-50kW
Nominal Grid Voltage (Input & Output)	400 Vac
Frequency	50/60Hz
Max. Dis-/Charging Current	50A
Power Conversion Efficiency	98.5%
Power to Battery Efficiency	94%
Connectivity	Wi-Fi
Hardware Interface	RS-485, CAN
Customer Interface	App, Web and HMI
Protections	Overcurrent protection in AC side, Overvoltage protection in AC side, Short circuit protection in AC side, Surge protection in AC side, Reverse polarity protection in DC side, Surge protection in DC side, Overtemperature Protection
Battery's cycle life	Up to 5000

PV Technical Specifications

MPPT voltage range	150~850 Vdc
No. of MPP trackers	4
Max. input current	55A*4

Battery Technical Specifications

Cell Material	LFP
Cell Capacity	120Ah
Nominal Battery Energy	64.512 kWh
Nominal Battery Voltage	537.6 Vdc
Operating Voltage Range	470~596 Vdc
Maximum Continuous Current	120A

Environmental Specifications

Operating Temperature	-20°C to 50°C
Operating Humidity (RH)	5% to 95%, non-condensing
Storage Temperature	-30°C to 45°C, 5% to 95% RH, non-condensing, State of Energy (SOE): 40% initial
Maximum Elevation	4000m³
Environment	Indoor and outdoor
Enclosure Rating	C3
Ingress Protection Rating	IP54

Mechanical Specifications

Dimensions	1300 x 1100 x 2000 mm
Weight	1500 kg
Lift Equipment	Forklifts or Cranes

* Subject to actual delivery