

50kW HYBRID INVERTER / 100kWh BATTERY

Air Cooling Commercial & Industrial Energy Storage System

Flexible

Highly integrated
All pre-assembled
Extendable

Reliable

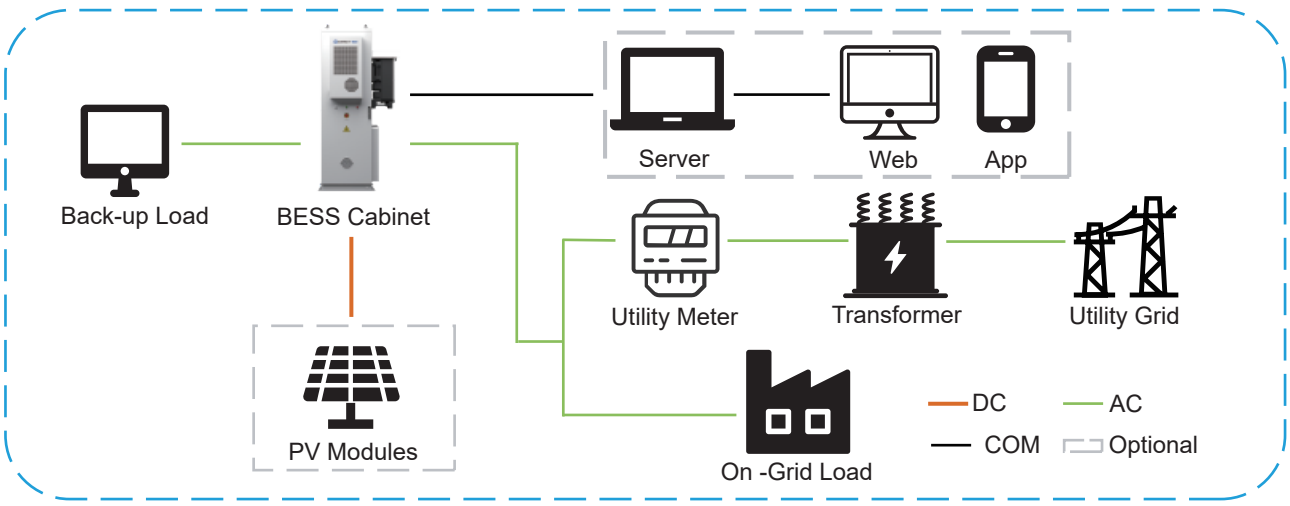
DC electric circuit safety protection
Multi level battery protection
Fire suppression system

Efficient

Intelligent cooling system
Higher system efficiency

Smart

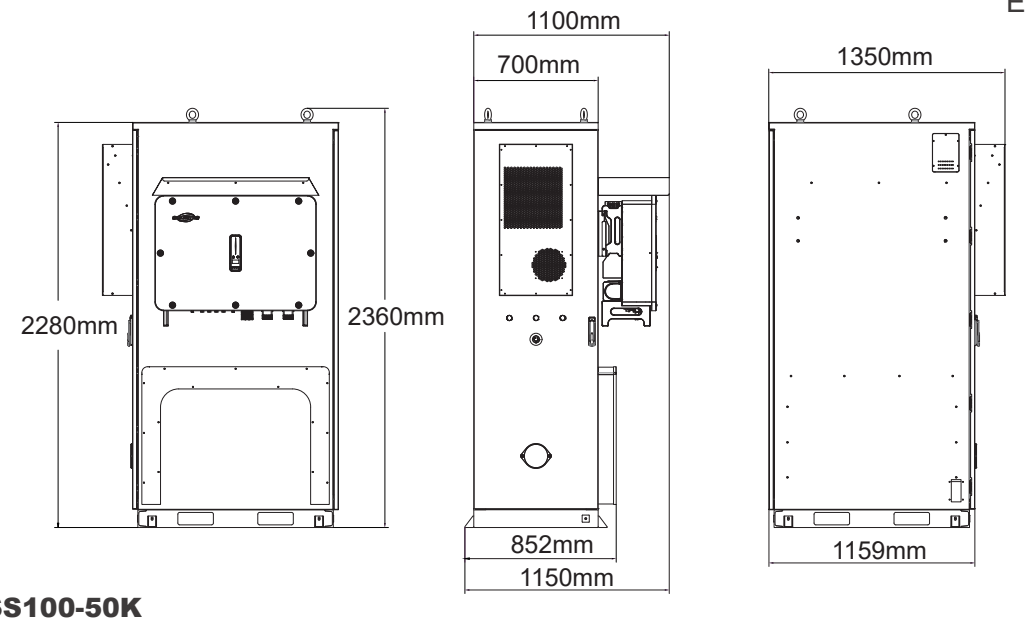
State monitoring and faults record
Battery performance monitoring and logging



SUNKET®-ESS

50kW HYBRID INVERTER / 100kWh BATTERY

Air Cooling Commercial & Industrial
Energy Storage System



SKTESS100-50K

Converter Specification	
AC Output Power (kW)	50
AC Output Frequency and Voltage	50 / 60Hz ; 380 / 400V
Grid Type	3L / N / PE
Battery Operating Voltage (Vd.c.)	313.6 ~ 397.6
Energy (kWh)	100
Dimension (W x D x H, mm)	1150 x 1350 x 2280
Weight Appr.(kg)	＜ 1300kg
Max. RTE	88 %
System Communication	CAN / RS485
System Operating Temperature Range (°C)	-20~50
Max. Working Altitude (m)	3000 (>3000m derating)
IP Rating of Enclosure	IP55
Anti-Corrosion Grade	C3
System Certification	IEC 61000 , IEC 62619
Warranty	5 years or cycle Life ≥ 6000 (@25°C ± 2°C , 0.5C / 0.5C, 70% EOL)
Converter Specification	
AC Output Rated Current (A)	75
Max. AC Output Current (A)	83
Max. Number of Parallel (off-grid)	6 pcs
Peak Power	1.1 times of rated power
Power Factor	0.8 leading … 0.8 lagging
THD	< 3 %
DC Injection Current	< 0.5In
Relative Humidity	0~100 %
Dimension (W x D x H, mm)	860 × 590 × 290
Communication	CAN , RS485 , WiFi / LAN (Optional)
Overvoltage Protection	PV : II Main : III
Protection Level	Class 1
Grid Regulation	EN IEC 61000 , EN IEC 62109 , EN IEC 62477-1 , EN 50549-1 / -10
Max. Efficiency	98.30 %

Specifications are subject to change without further notification
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