


# 50kW/75kW/100kW/125kW HYBRID INVERTER / 241kWh BATTERY

Air Cooling Commercial & Industrial Energy Storage System

## Flexible

Highly integrated
All pre-assembled
Extendable

## Reliable

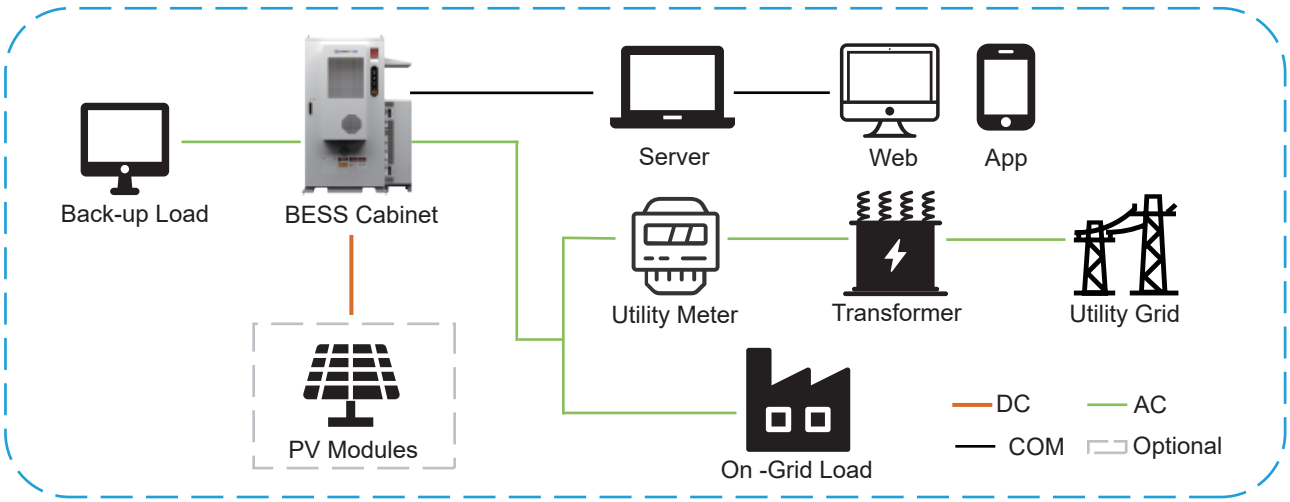
DC electric circuit safety protection
Multi level battery protection
Fire suppression system

## Efficient

Intelligent cooling system
Millisecond-level instant grid-connected and off-grid switching

## Smart

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

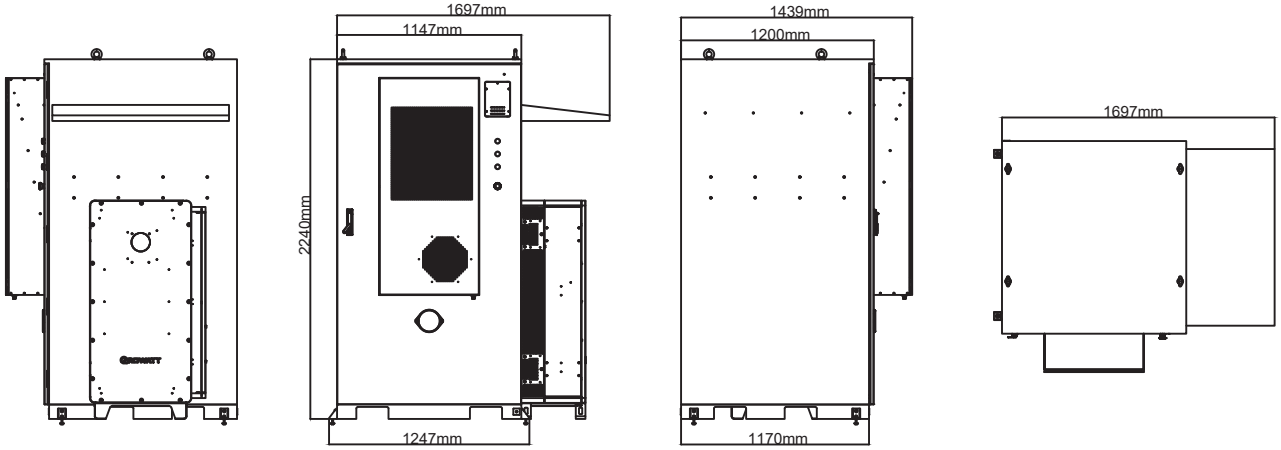



SUNKET-ESS

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Air Cooling Commercial & Industrial
Energy Storage System




| Model | | SKTESS241-50K | SKTESS241-75K | SKTESS241-100K | SKTESS241-125K |
|---|---|---|---|---|---|
| Battery | Battery Type | LiFePO4 | | | |
| | Nominal Capacity | 314Ah | | | |
| | Battery Configuration | 1P240S | | | |
| | Nominal Energy | 241.152kWh | | | |
| | Nominal Voltage | 768V | | | |
| | Operating Voltage Range | 672~ 764V | | | |
| | Rate 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 | 180 ~ 800V | | | |
| | DC Inputs | 2/2/2/2/2/2/2 | 2/2/2/2/2/2/2/2/2/2 | 2/2/2/2/2/2/2/2/2/2 | 2/2/2/2/2/2/2/2/2/2 |
| | Max.Input Current | 32A*7 | 32A*10 | 32A*10 | 40A*10 |
| Back-up | Rated Output Power | 50kW | 75kW | 100kW | 125kW |
| | On / Off-grid Switching Time | ⩽20ms | ⩽20ms | ⩽20ms | ⩽10ms |
| System | AC nominal Power | 50kW | 75kW | 100kW | 125kW |
| | Grid Type | 3P3W+PE/3P4W+PE | | | |
| | AC Output Frequency | 50/60Hz,45-55Hz/55-65Hz | | | |
| | AC Output Voltage | 380/400/415V,-15%~+10% | | | |
| | Voltage Harmonic Distorion | <3% @Linear Load | <3% @Linear Load | <3% @Linear Load | <3% (@100% load) |
| | AC Max. Output Current | 83.3A | 125A | 166.7A | 208.3A |
| | Power Factor | -1…+1 | | | |
| | Ingress Protection | IP54 | | | |
| | 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 | 1697 × 1439 × 2240mm | | | |
| | Net Weight | ≤2100kg | | | |



Specifications are subject to change without further notification
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