# 25/30/50kW HYBRID INVERTER 100kWh BATTERY

## Air Cooling Commercial & Industrial Energy Storage System

100kWh energy storage capacity, compatible with hybrid inverters of various power ratings, perfectly suited for smalland micro enterprises, factory workshops, villa complexes, and small charging stations. Solar power is self-generated and self-consumed,with surplus electricity stored in the battery; storing electricity during off-peak hours and discharging during peak hours significantly reduces corporate electricity costs.




Max.**200%** rate
PV Over-sizing Multiple

Max. **95%**
Battery System Efficiency

**280** Ah
Battery Capacity

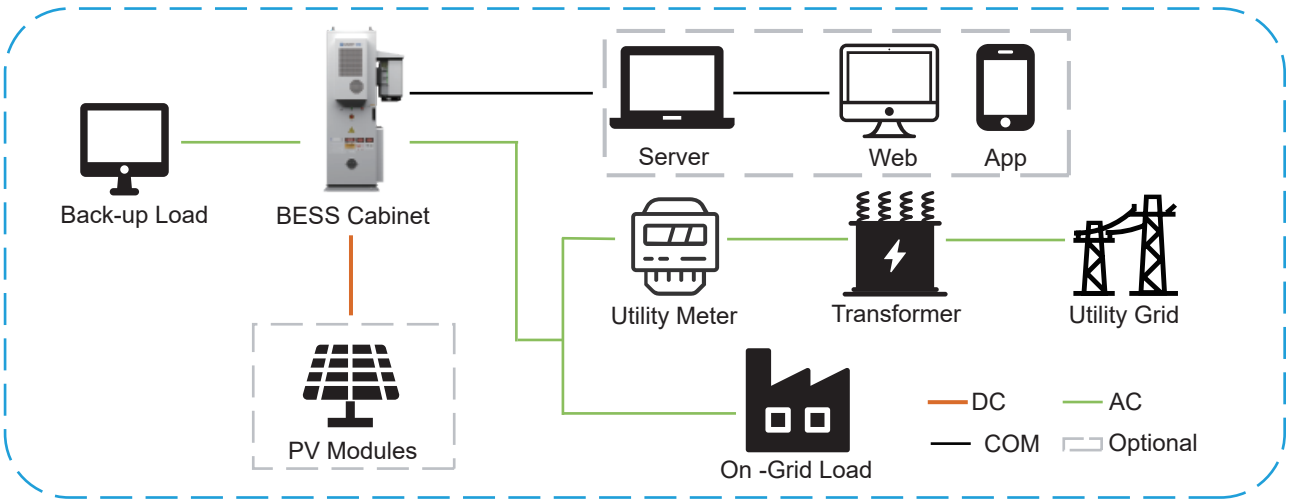
＜**10** ms
Switching Off / On-grid

＜**75** db
Low Noise Operation

**0.928** m²
Floor Area

**100%**
Three-Phase
Unbalanced Output

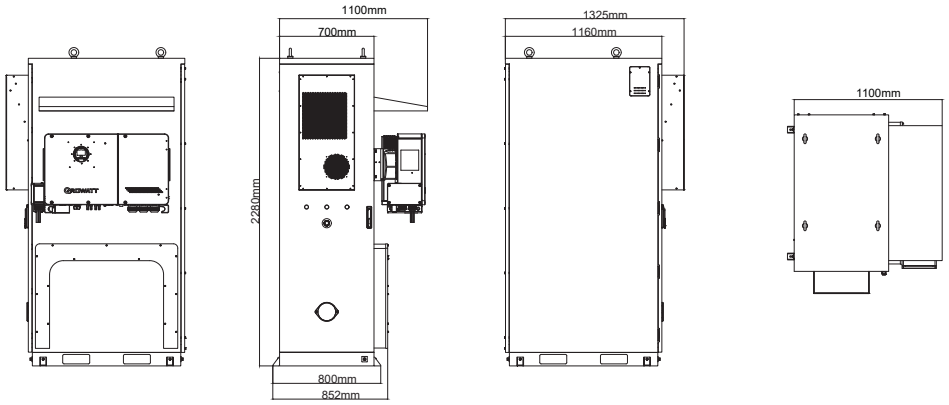
Max. **5** units(DC)
Parallel expansion
(On-Grid / Off-Grid Mode)




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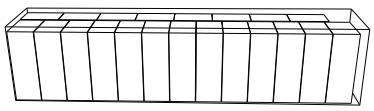



| Model | | SKTESS100-25K 25kW&100kWh-4H | SKTESS100-30K 30kW&100kWh-3H | SKTESS100-50K 50kW&100kWh-2H |
|---|---|---|---|---|
| Battery DC | Battery Type | LiFePO4 | | |
| | Nominal Capacity | 280Ah | | |
| | Battery Configuration | 1P112S | | |
| | Nominal Energy | 100.352kWh | | |
| | Nominal Voltage | 358.4V | | |
| | Operating Voltage Range | 313.6~403.2V | | |
| | Max.Continuous Charge / Discharge Current | 140A | | |
| | 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 | 150~850V | 180~1000V | |
| | DC Inputs | 2 / 2 | 2 / 2 / 2 / 2 | |
| | Max.Input Current | 40A*2 | 40A*4 | |
| Back-up | Rated Output Power | 25kW | 30kW | 50kW |
| | On / Off-grid Switching Time | ≤10ms | | |
| | Peak Output Apparent Power | 50kVA@10S | 45kVA | 75kVA |
| Syetem | Max. AC Output Power | 50kW / 25kW | 60kW / 30kW | 100kW / 50kW |
| | Grid Type | 3P3W+PE / 3P4W+PE | | |
| | AC Output Frequency | 50Hz / 60Hz, 45-55Hz / 55-65Hz | | |
| | AC Output Voltage | 220 / 380V,230 / 400V , 240 / 415V,-15%~+10% | 280 / 400V -15%~+10% | |
| | Voltage Harmonic Distorion | ＜3% | | |
| | AC Max. Output Current | 83.33A / 41.67A | 100A / 50A | 166.7A / 83 .3A |
| | Power Factor | -1...+1 | | |
| | 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 | | |
| | Cooling | Air Cooling | | |
| | DC Certificates | UN38.3， IEC62619、IEC63056、EN IEC 61000、EN 62477 | | |
| | Dimension | 1100(ncl. rain shield)×1325(±5)×2280(±5)mm | | |
| | Net Weight | 1250(±10)kg(DC)+45kg(Inverter) | 1250(±10)kg(DC)+90kg(Inverter) | |

## Packing Configuration

| | |
|---|---|
| Single Dimension | 900×1400×2500mm |
| Container | 40'HQ |
| Pieces per Container | 21 |

40'HQ



21 PIECES
CONTAINER

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Specifications are subject to change without further notification
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