

10' Mobile Energy Storage System

ES350 is a mobile containerized ESS product, widely applicable to such electricity demand scenario of emergency rescue, island, city construction, mines, electric trucks, ports and charging points.

The product is designed according to EU / IEC safety and environmental standards, providing flexible bi-directional input and output interfaces, greatly convenient to customer's choice of use and upgrade demands in later stage. It can be operated on-grid and also off-grid. The whole system realizes energy distribution and control through integrated EMS.



City construction



Electric truck charging

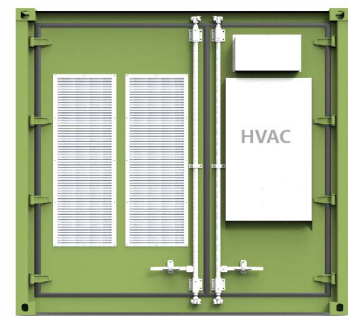


Electrical welding



Emergency power

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|--------|-------------------------------|---|
| ACGrid | Net type | TN-S/IT network |
| | Wiring system | 3ph, 4 wires, 400Vac; 3ph 3 wires, 230Vac optional |
| | Rated frequency | 50 / 60 Hz |
| | Input power | 173 kVA (max) |
| BESS | Cell technology | LiFePO4 |
| | Nominal capacity | 354 kWh ¹ |
| | Max rated charging current | 140A (0.5C) |
| | Max rated discharging current | 140A (0.5C) |
| | Peak discharge current | 560A/10m |
| | Design life | ≥ 4000 cycles ² |
| Output | AC ports | 0.4kV/32A, 2 no |
| | | 0.4kV/63A, 2 no |
| | | 0.4kV/125A, 1 no |
| | | 0.4kV/250A, 1 no |
| | DC ports | CCS Type 2, max 150 kW, two guns, in turn |
| Others | Operation temperature | -20~45 °C |
| | Protection class | IP54 |
| | Anti-corrosion class | C5 |
| | Anti-fire class | A60 |
| | Fire suppression system | N1230, fully automatic |
| | Latitude | ≤2000 m, degrading above 2000 m |
| | Relative humidity | 5-95%, no condensing |
| | Anti-vibration | International road and sea transportation standards |
| | Moving manner | Forklift / crane |
| | Weight | 9,400 kg |
| | Dimensions | 2991*2438*2896 mm / 117*96*114 in (L*W*H) |
| | Certifications | CE, IEC62619 (Cell & Rack), IEC61000 |



¹ @100% DoD, 0.5C, 25 ±3 °C
² EOL ≥ 70%, @0.5C, 80% DoD