

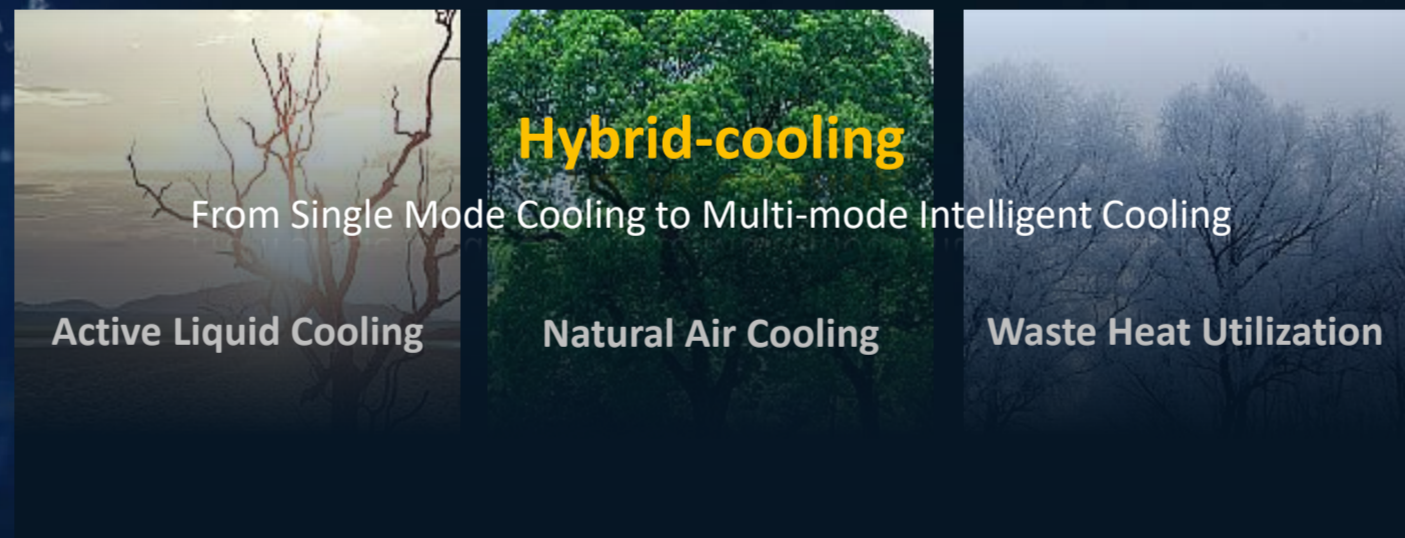
Industry Leading C&I Hybrid Cooling ESS



C2C Dual-link Safety



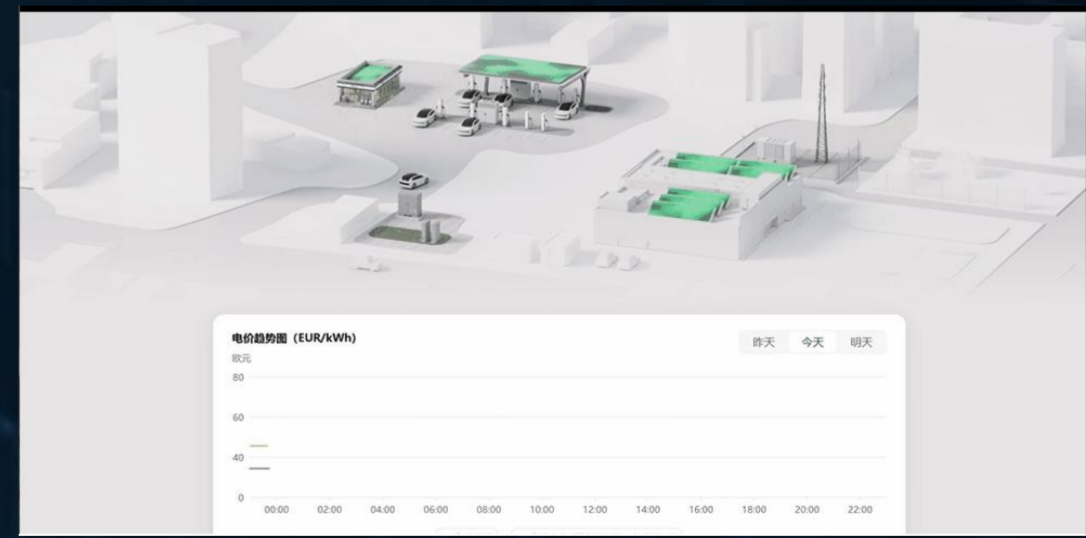
Lower LCOS



300,000 kWh ↑
Lifetime Higher discharge capability

91.3% ↑
Higher Cycle Efficiency

One for All



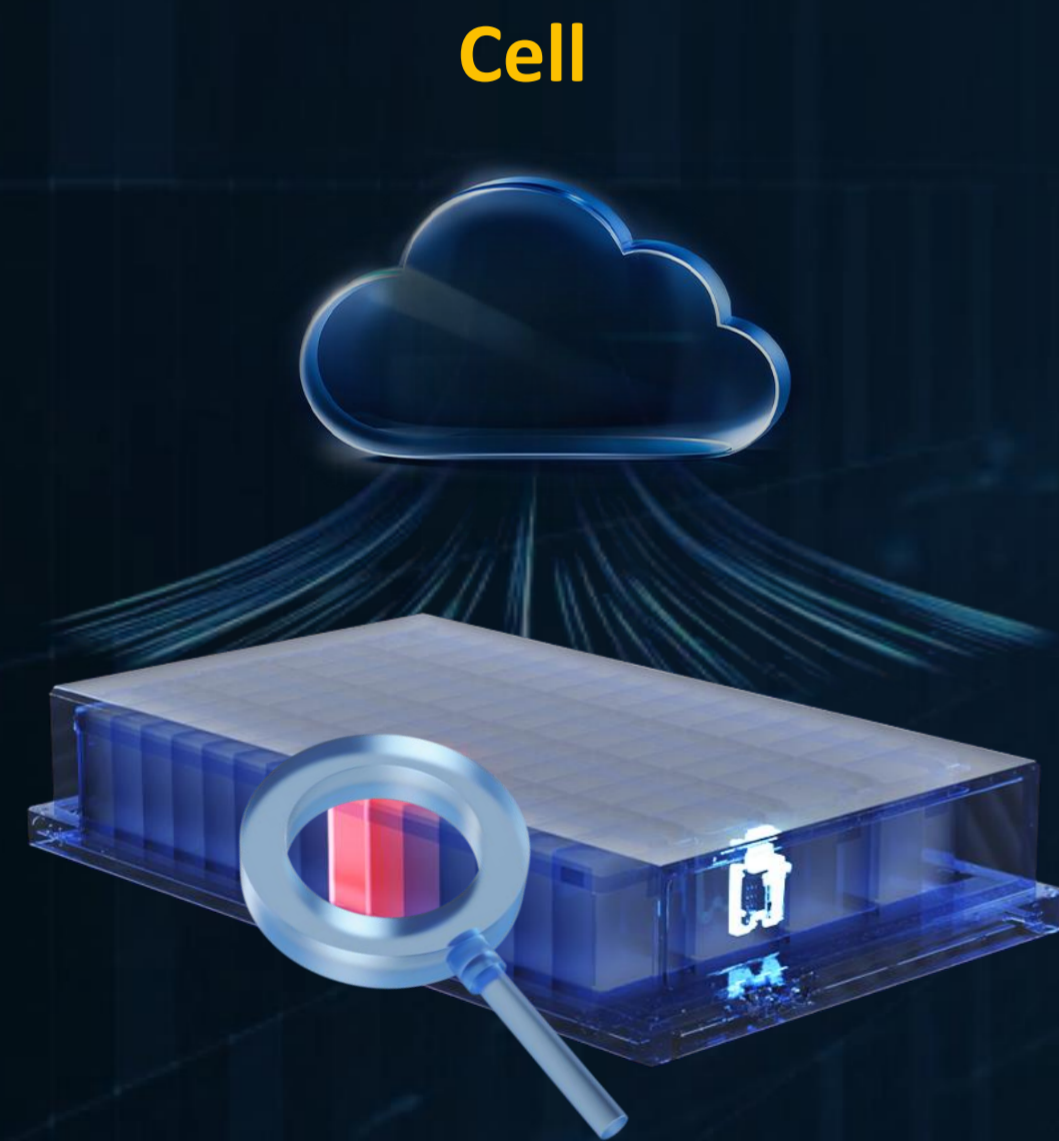
Project Benefits **10%** ↑
High-precision Power Prediction + Load Prediction

Project Verification, Improving Comprehensive Benefits

C2C Electrical-link Safety : Short circuit prevention and isolation

Dual cell detecting

- Massive cell data collection: high-precision & automotive-grade dedicated BMIC
- Faults early warning: self-learning function on the cloud, detecting 13+ types of faults



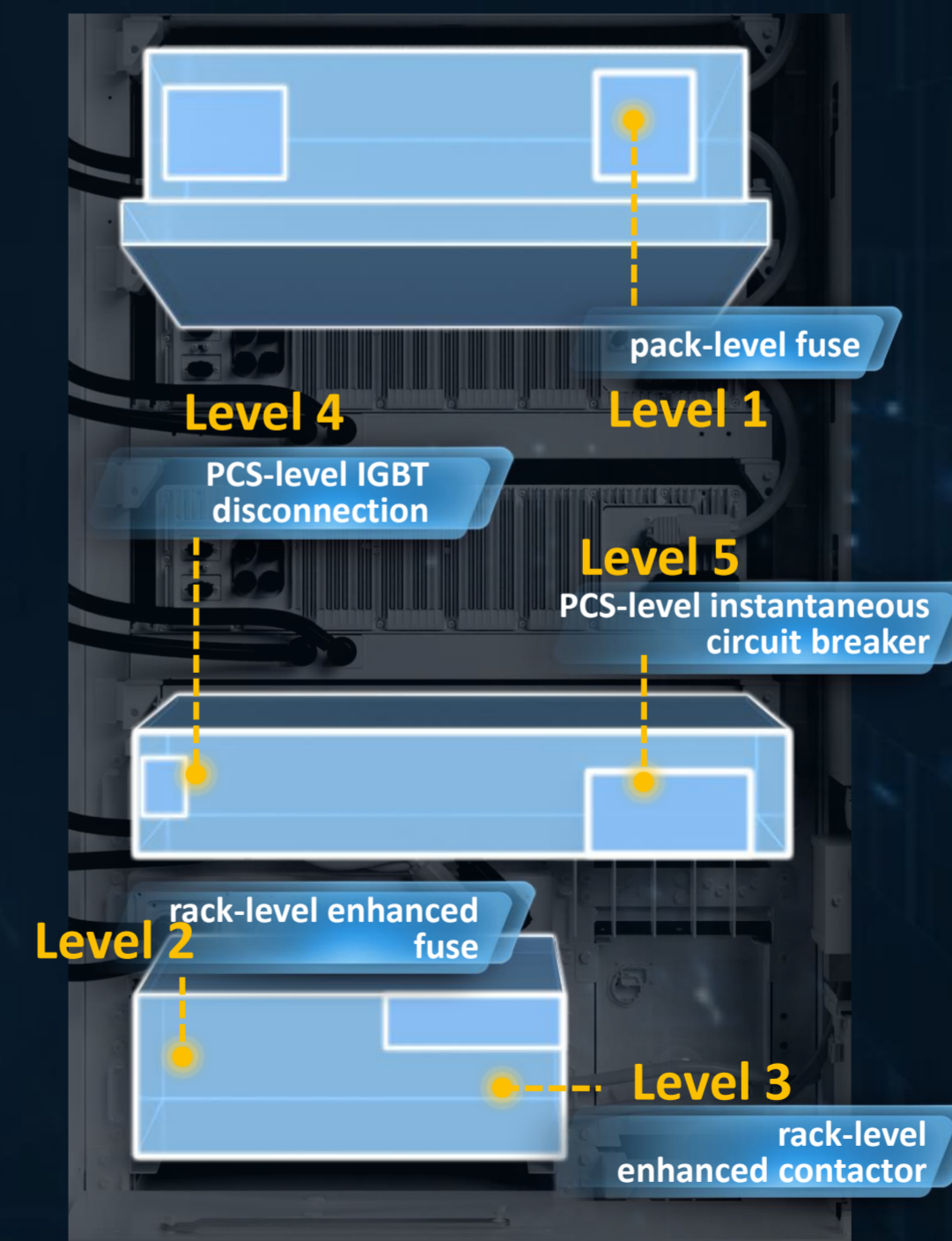
All sides Pack Insulation

- Patented reinforced insulation materials
- All-round protection for battery packs and internal cells
- Survive 30 days of corrosion by electrolyte and 1500 V voltage



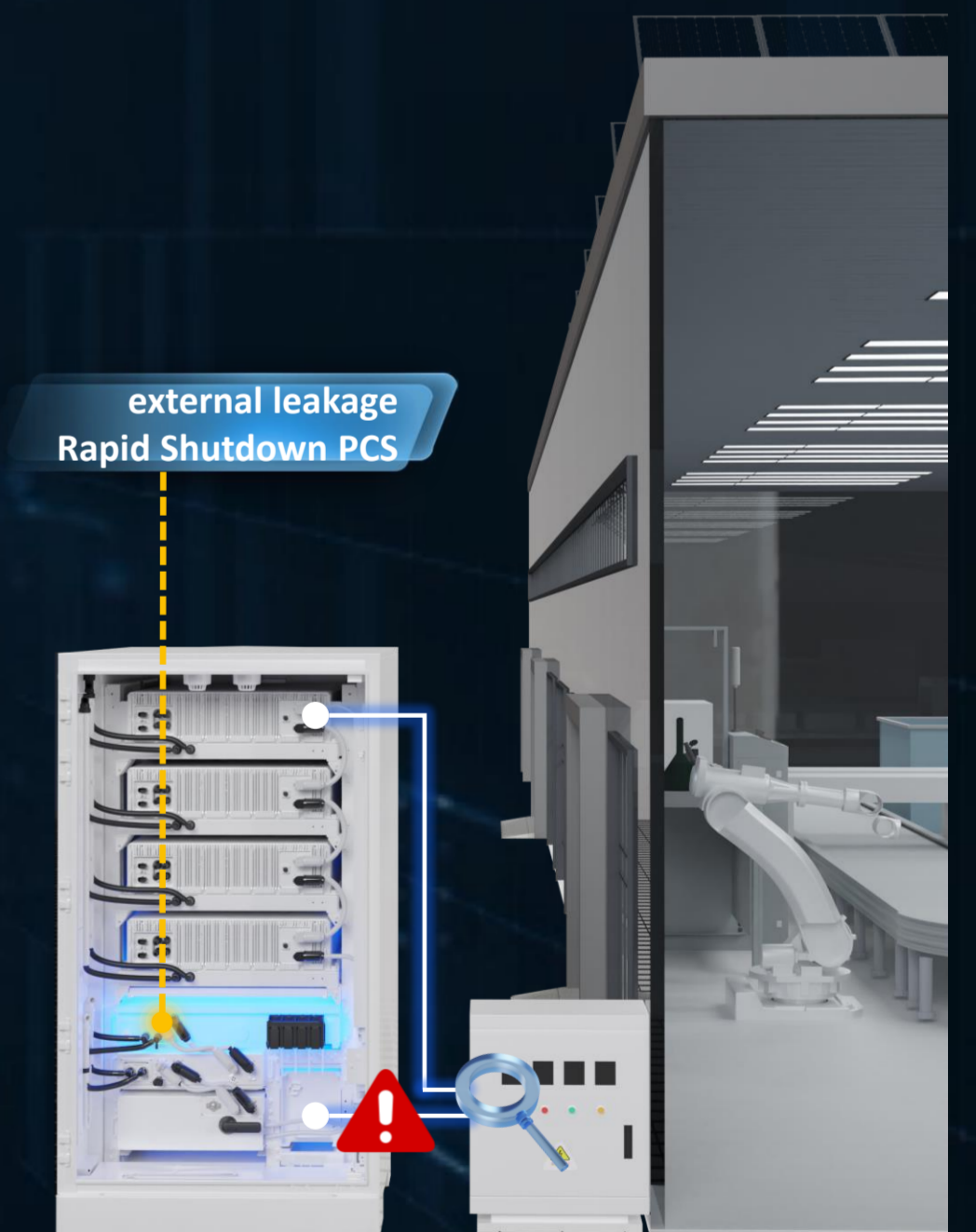
Five-level system protection

- Full-range overcurrent protection, covering the AC/DC protection blind spot
- Cell-to-ground protection



24-hour assurance

- 24-hour real-time online insulation detecting to prevent personnel injury
- Rapid shutdown of PCS in case of external short circuit

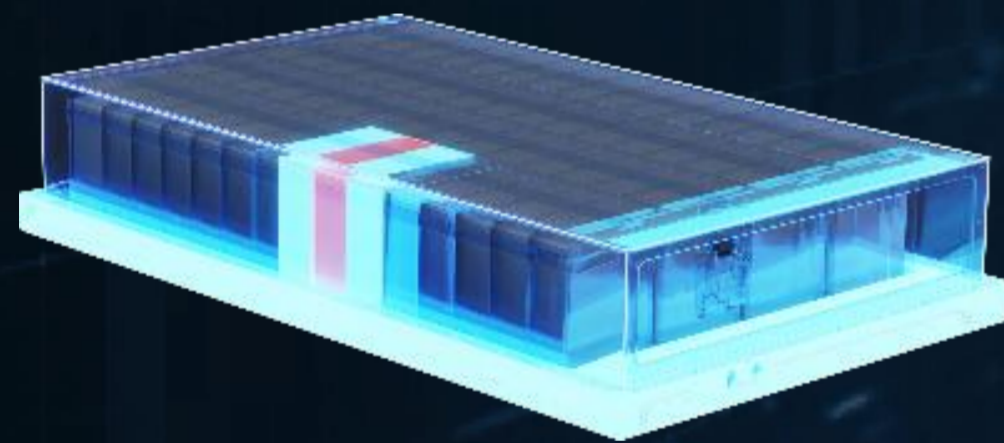


C2C Heat-link Safety : Thermal runaway suppression and protection

Cell-level thermal suppression

- Inter-cell heat insulation layer prevents thermal diffusion of adjacent cells.
- The liquid cooling plate at the bottom quickly cools battery cells.

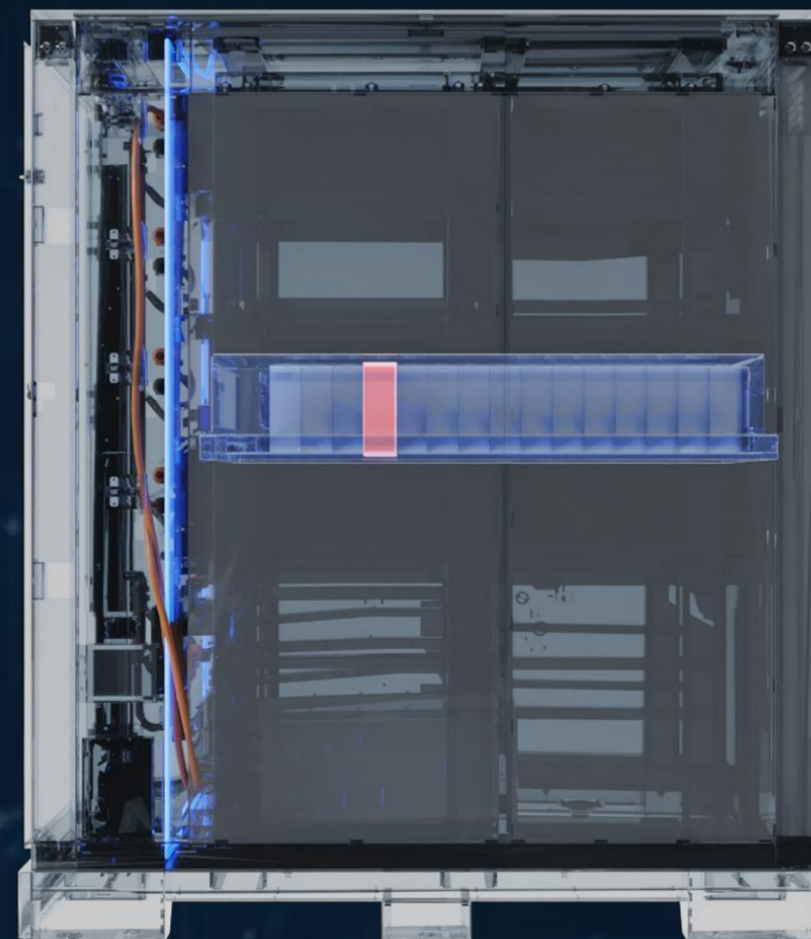
Cell



Pack-level gas exhaust

- IP65 heat-resistant enclosure: prevent oxygen from entering the battery packs
- L-shaped duct: prevent combustion and explosion inside the cabinet

Pack



System-level fire extinguishing

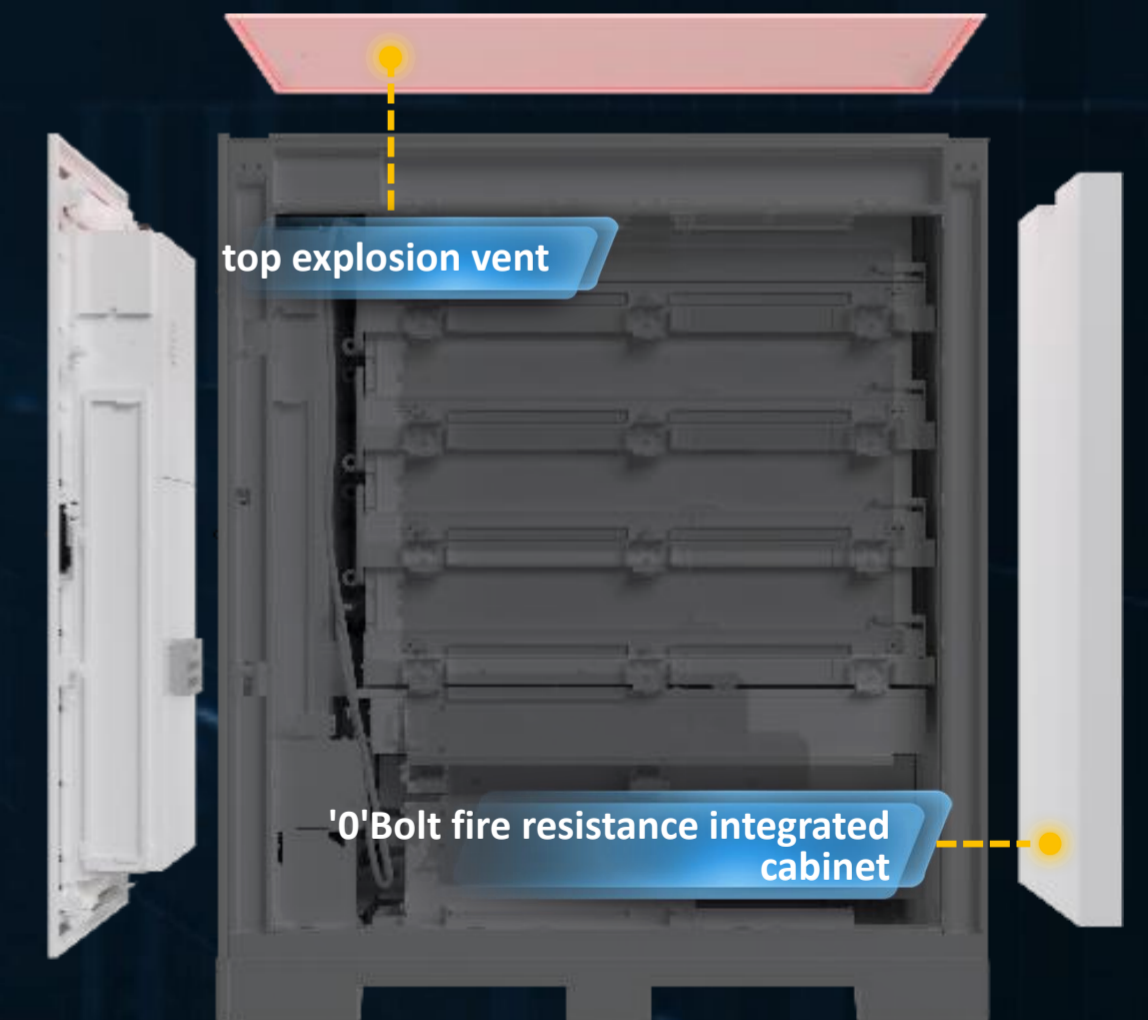
- Separate design: prevent fires from spreading
- Divisional fire protection: enable precise, active, and quick fire extinguishing



Consumption-level top explosion vent

- Hour-level fire resistance: prevent the fire from spreading outside
- The 'airbag' design: prevent explosions and protect people nearby

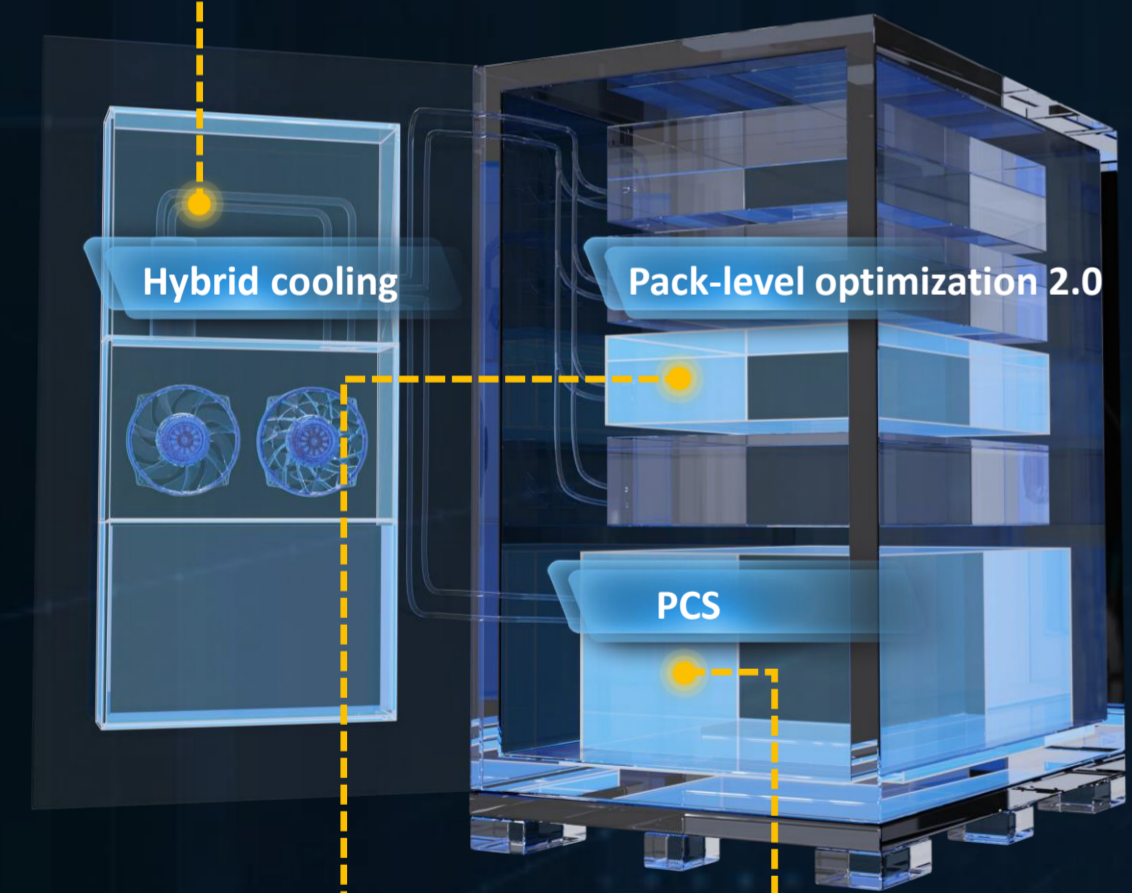
Consumption



Lower LCOS

More Energy

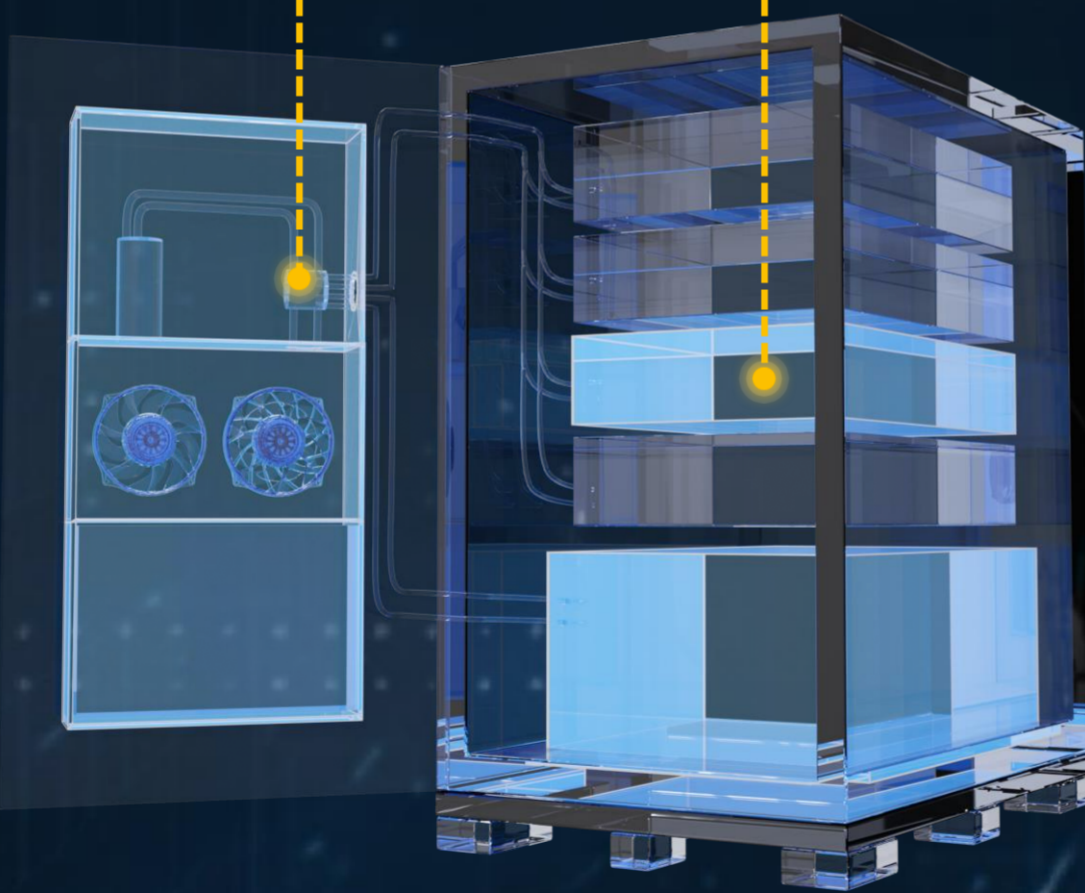
- power consumption **30% ↓**
- system performance life **≥15year**
- maximum system cycle efficiency RTE **91.3%**



- Increase the usable energy in the lifecycle **2% ↑**
- New-generation SiC IGBT module: efficient bidirectional balancing topology of packs
- Three-phase five-bridge topology of PCS

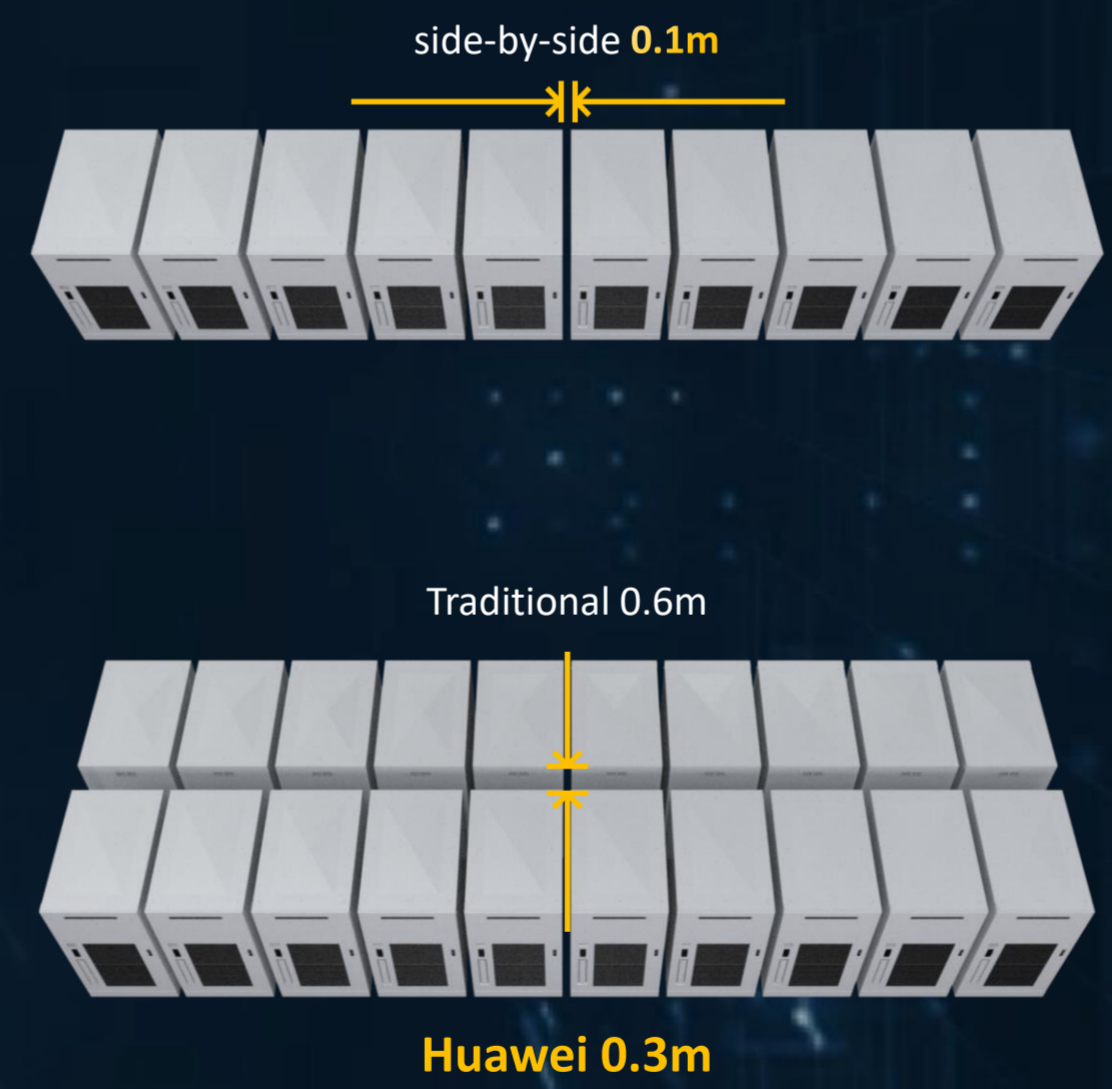
Lower OPEX

- 10-year** free coolant replacement
Save replacement costs
- Automatic SOC calibration**
Free of site visits



Lower CAPEX

- Three-sided cabinet layout
Increase **8% ↑** energy density per unit area
- No trenching
No external auxiliary power cable



- No trenching
No external auxiliary power cable

