

Industry Leading C&I Hybrid Cooling ESS



C2C Dual-link Safety



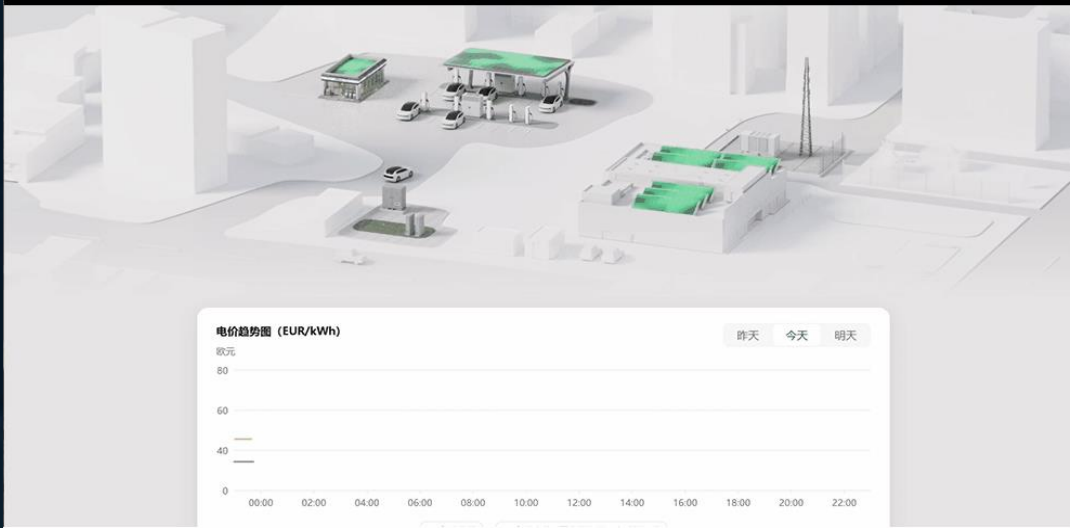
Lower LCOS



300,000 kWh ↑
Lifetime Higher discharge capability

91.3% ↑
Higher Cycle Efficiency

One for All



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

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



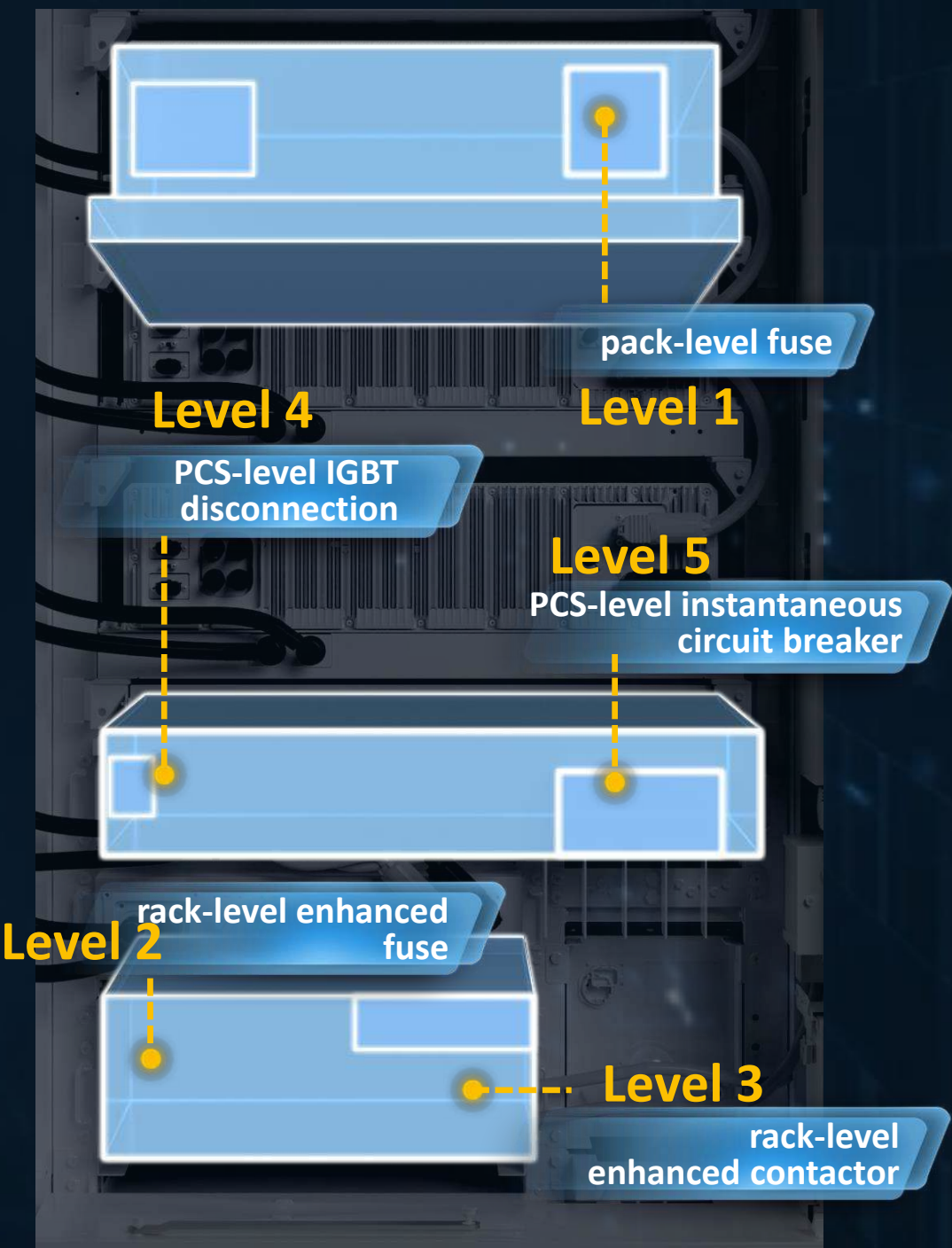
All sides Pack Insulation

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



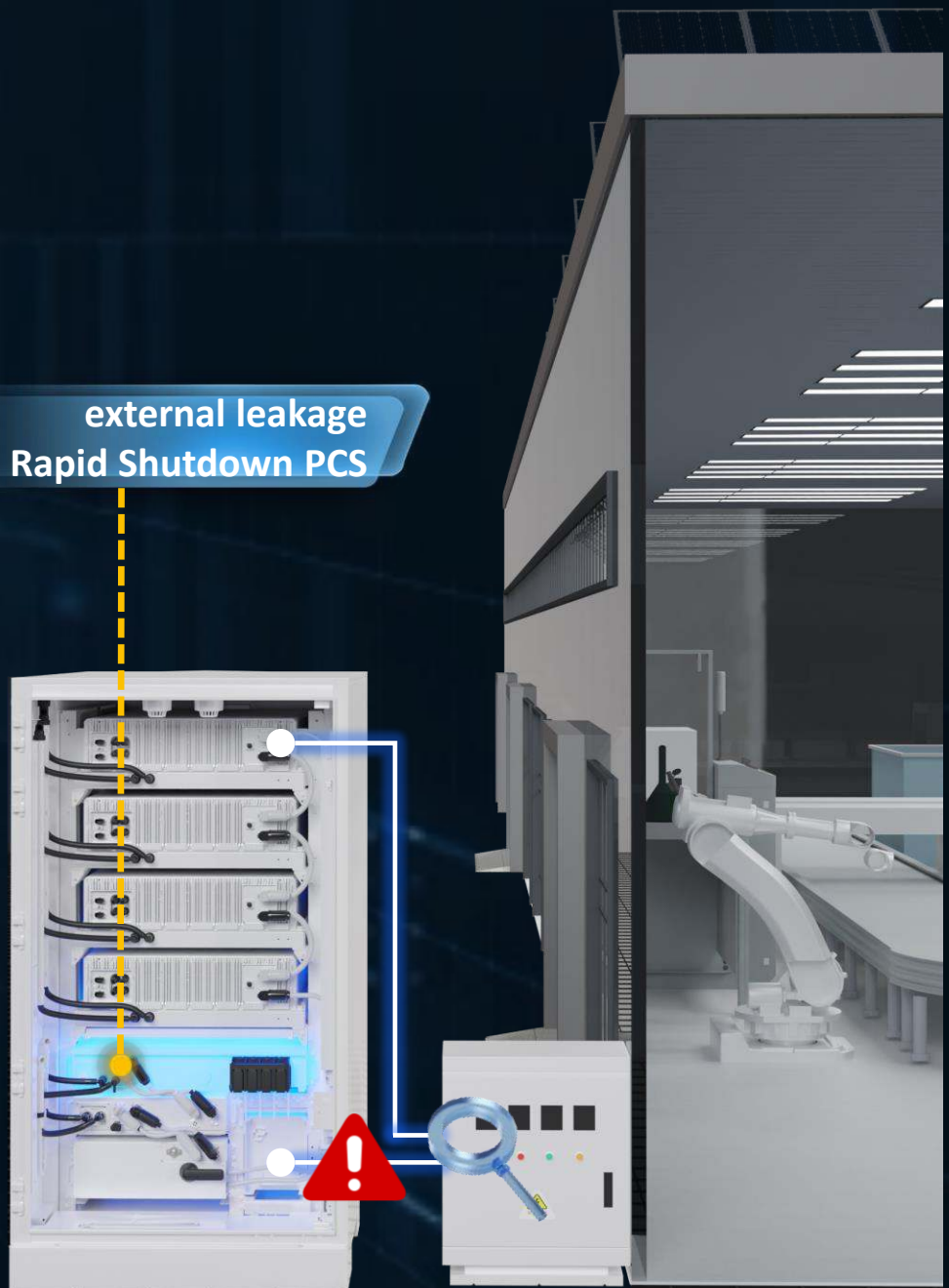
Five-level system protection

- 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

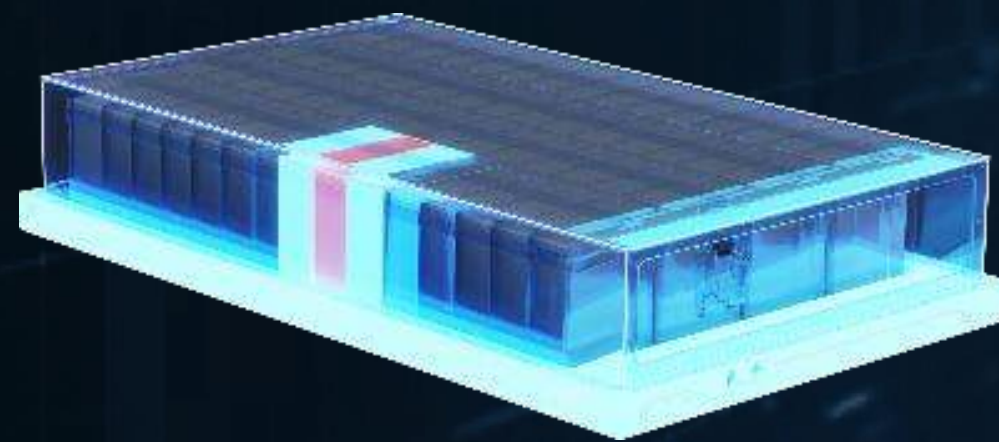


C2C Heat-link Safety : Thermal runaway suppression and protection

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.

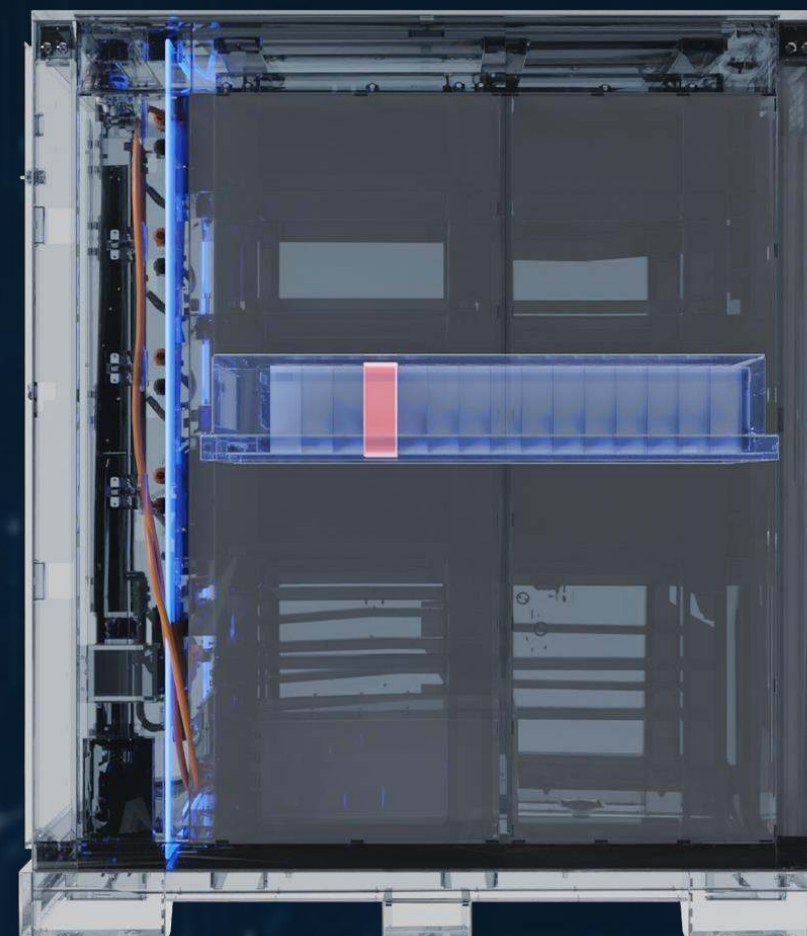
Cell



Pack-level gas exhaust

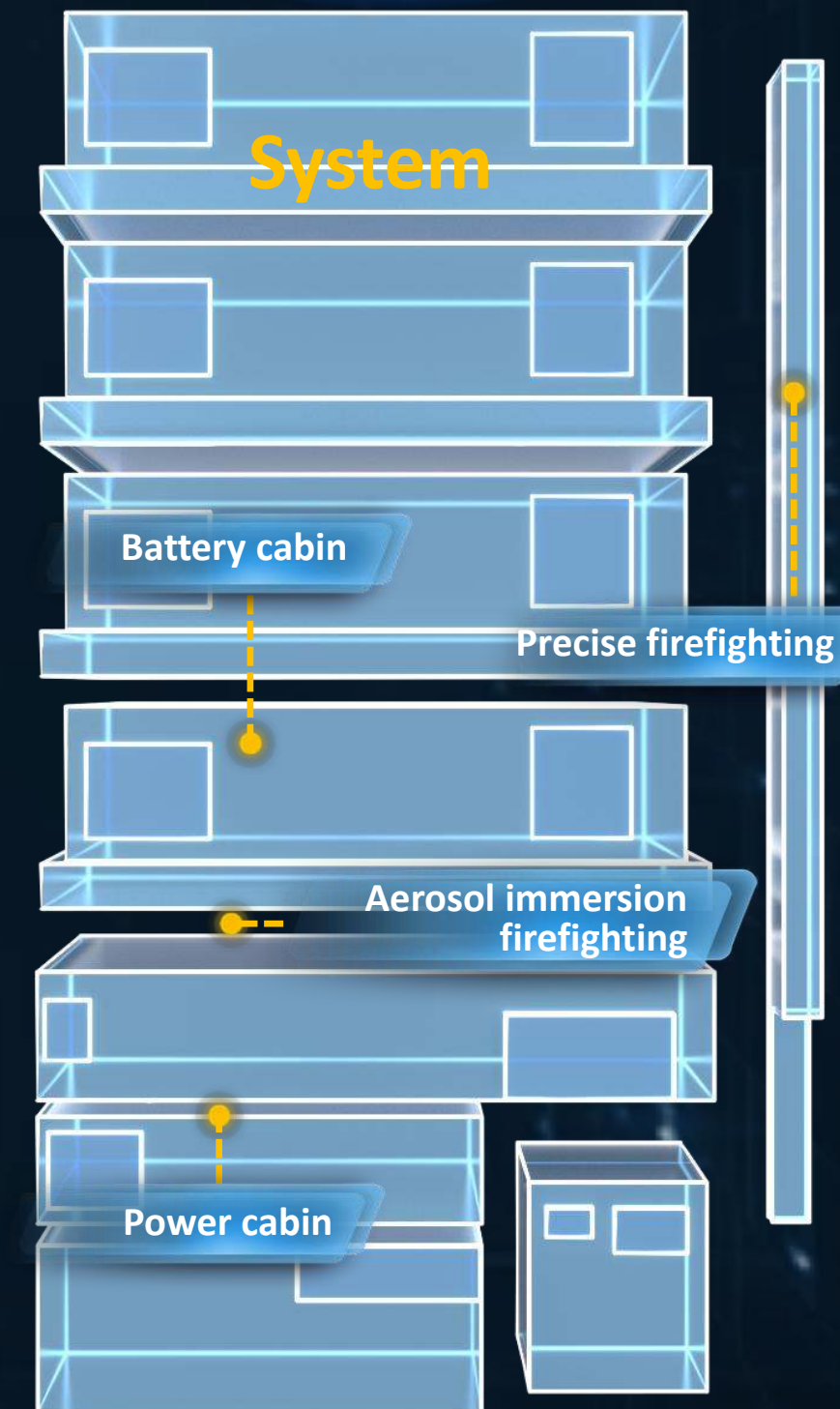
- IP65 heat-resistant enclosure: prevent oxygen from entering the battery packs
- L-shaped duct: prevent combustion and explosion inside the cabinet

Pack



System-level fire extinguishing

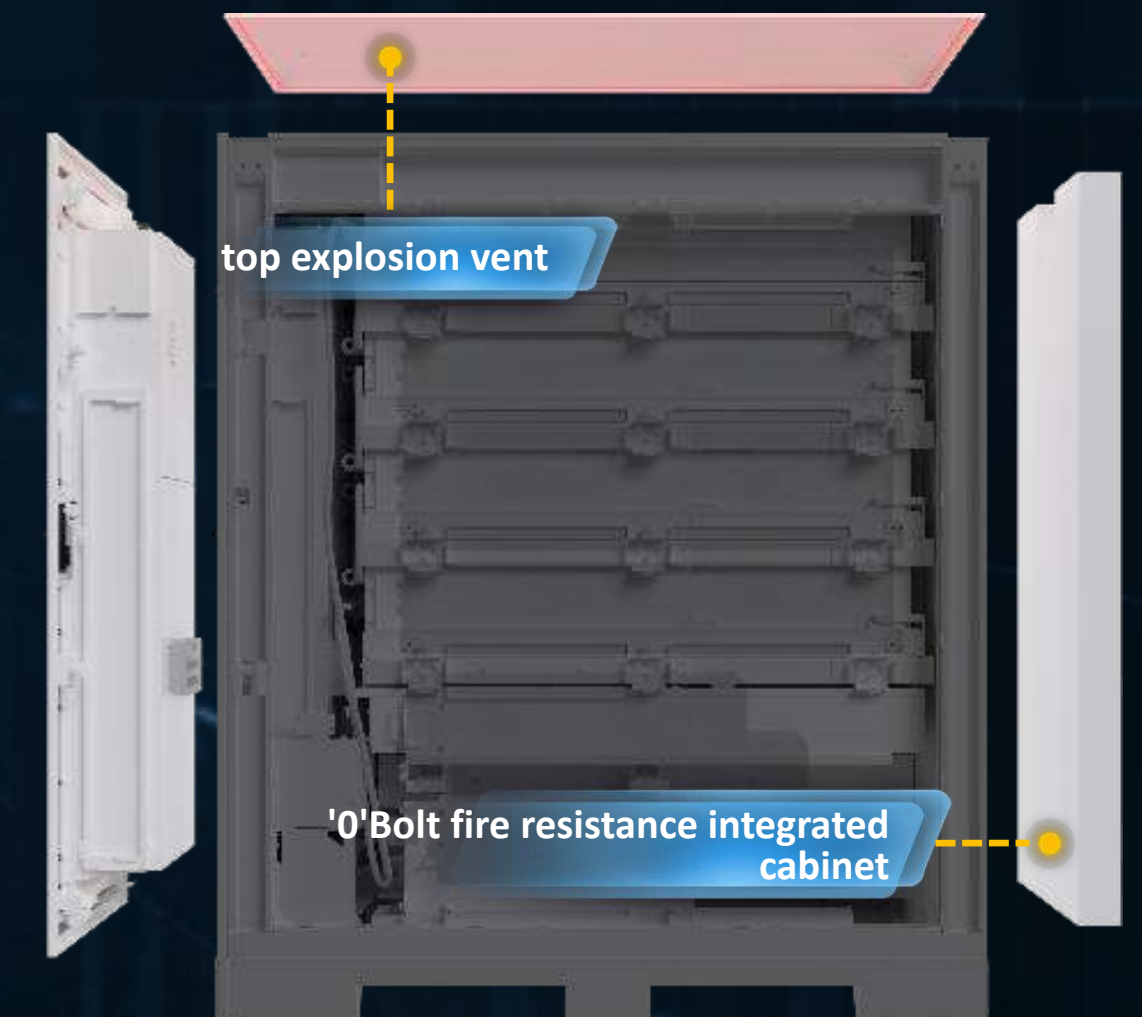
- Separate design: prevent fires from spreading
- Divisional fire protection: enable precise, active, and quick fire extinguishing



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

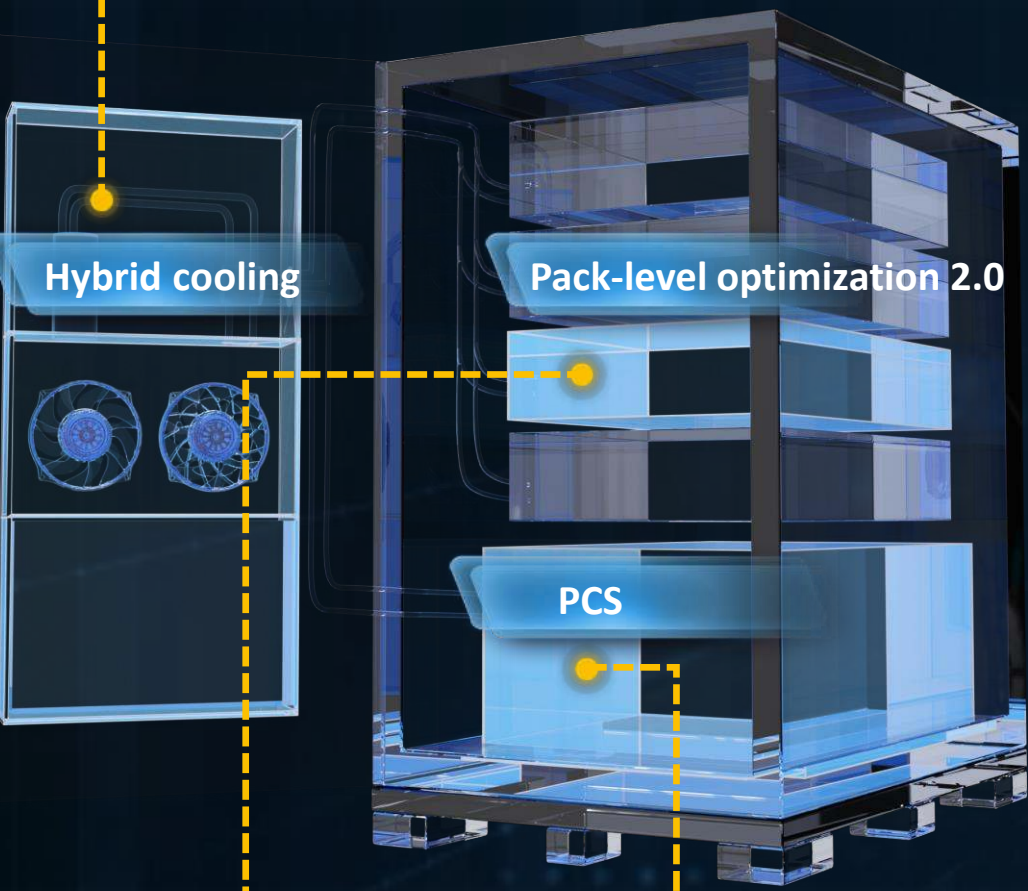
30% ↓

system performance life

≥15year

maximum system cycle efficiency RTE

91.3%



Increase the usable energy in the lifecycle

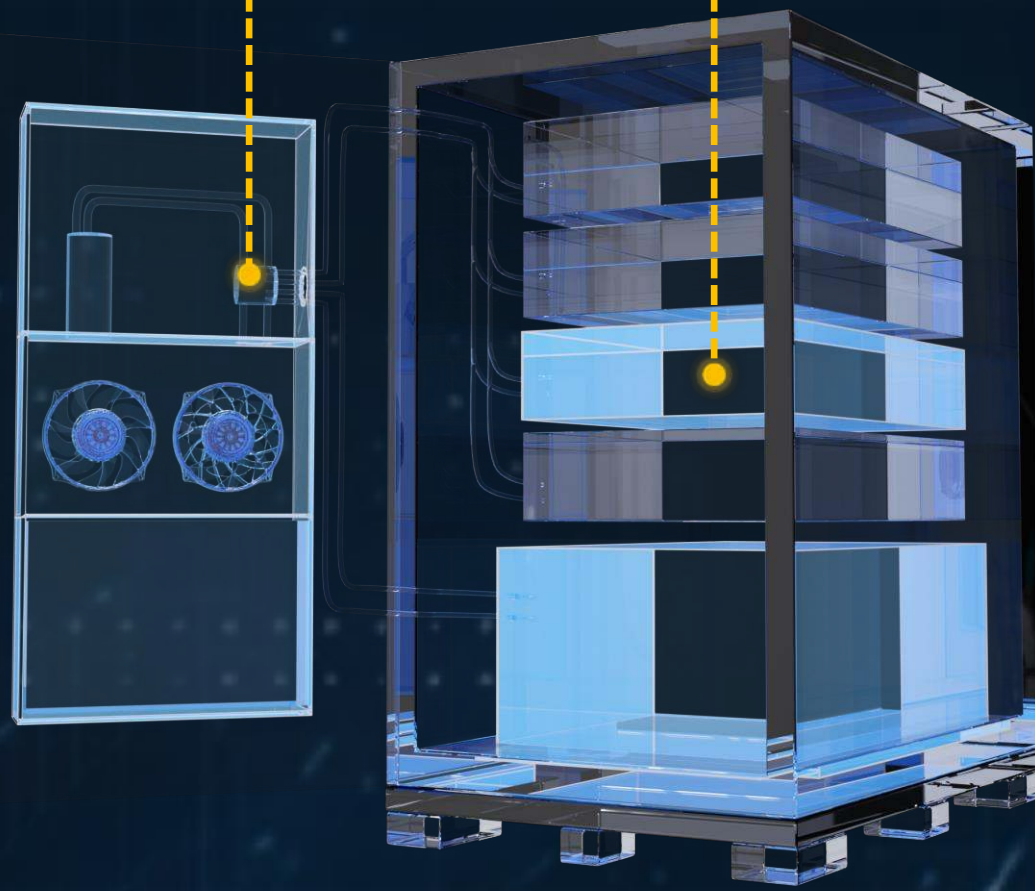
2% ↑

- 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

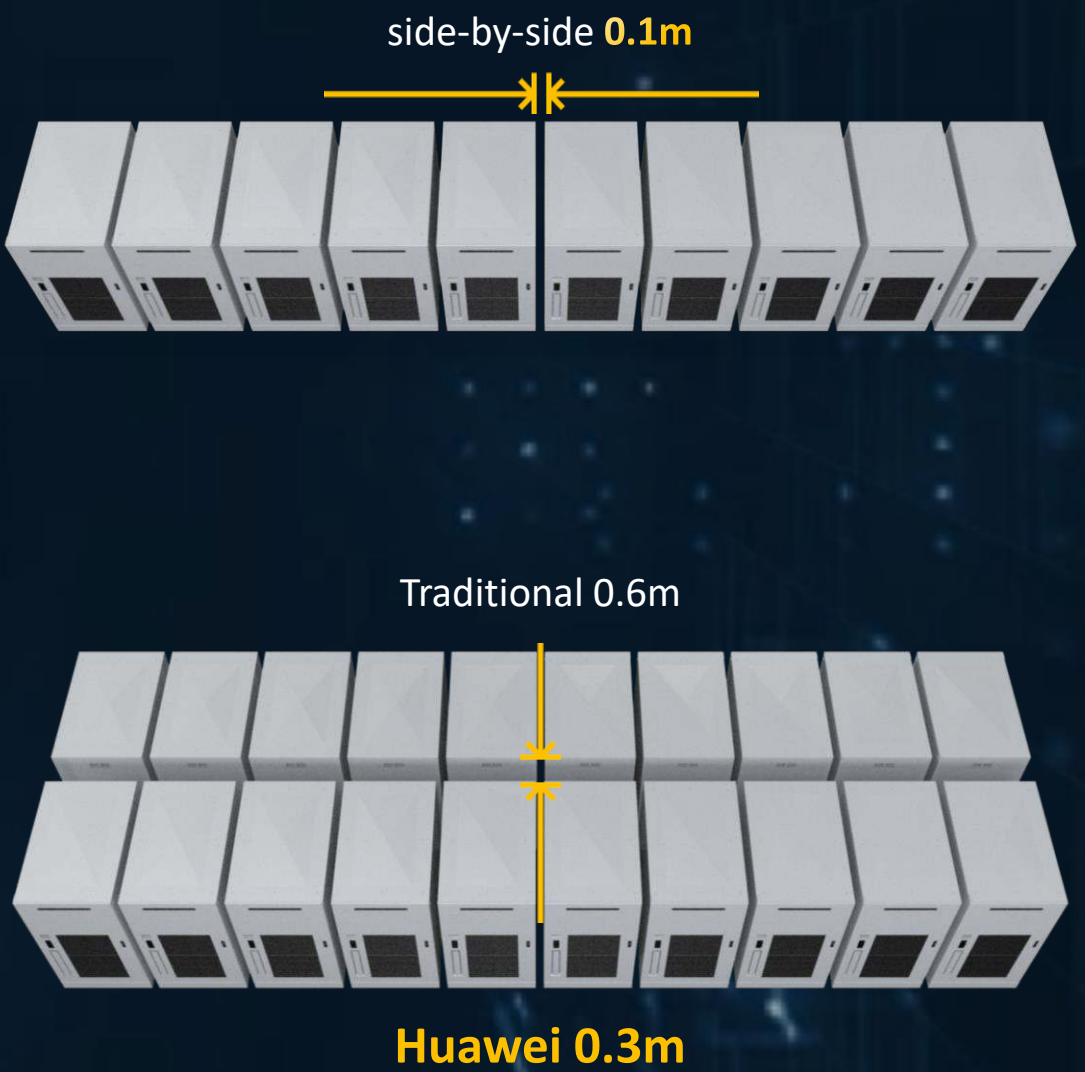
AutomaticSOC calibration
Free of site visits



Lower CAPEX

Three-sided cabinet layout
Increase 8% ↑ energy density per unit area

No trenching
No external auxiliary power cable



Traditional

VS

Huawei

External auxiliary power cables are required.
Ground-mounted cabling, requiring separate trenches

Internal pre-installed auxiliary wire, free of external connection.
Trenching-free, greatly reducing installation costs

