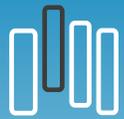
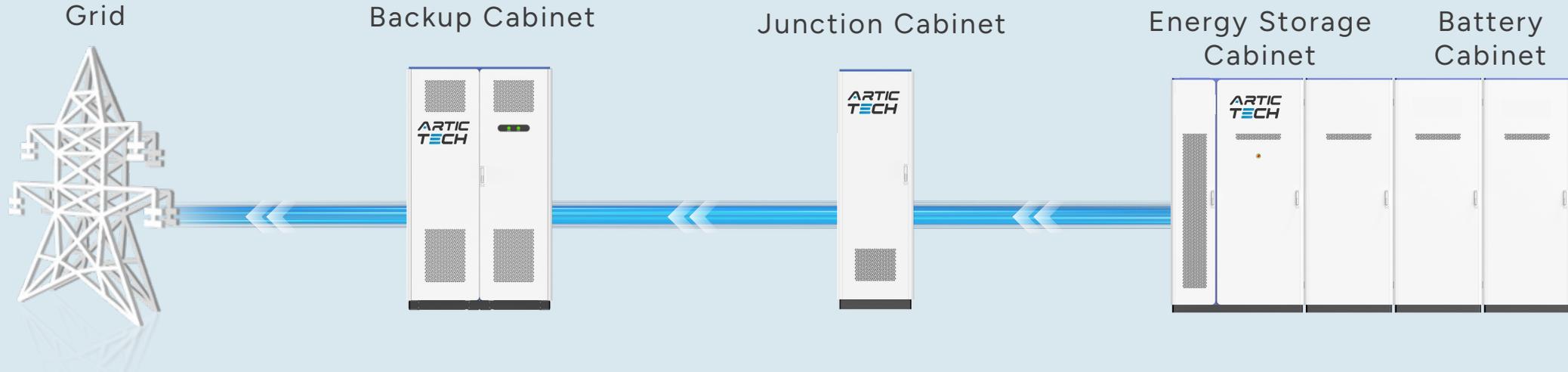


**ARTIC
TECH**

PowerMax
C&I ESS Solution



C&I ESS - PowerMax



Efficient & Flexible

- Modular design supports AC and DC side flexibility
- Grid-On/Off auto-switch function



Lower LCOS

- All-in-one design, High energy density
- Plug-and-play design, quick installation & less cost



Ultimate Safety

- 3+2 protection design enables ultimate safety
- Electricity and liquid separation reduces system risks



Smart Management

- Integrated EMS enables multi-scenario energy management
- Fast state monitoring and faults record enables pre-alarm and faults locating

Full coverage of application scenarios

ARTIC
TECH



125kW/215kWh

400V AC



125kW/258kWh

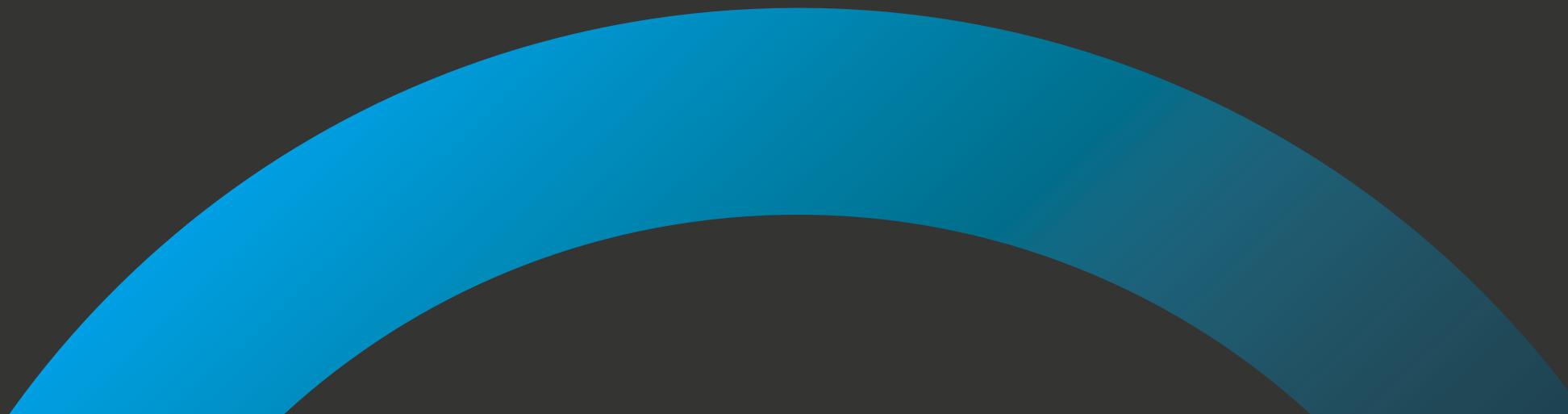
400V AC



215kW/344kWh

690V AC

Efficient & Flexible



AC side flexible design



Up to 6 PCS in parallel

Power coverage

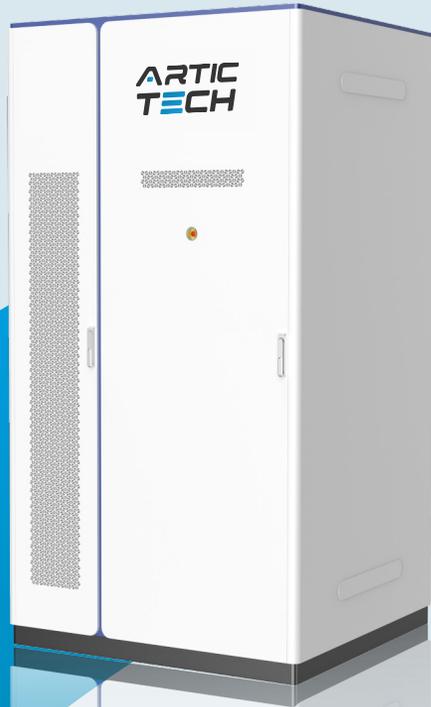
215kW to 1290kW
(EBI 215K)



125kW to 750kW
(EBI 125K)



DC side flexible design



All-in-one
Energy storage
cabinet



1 to 3 Battery cabinets expansion
2 to 8 duration hours

400V solution



400V AC



400V Junction Cabinet

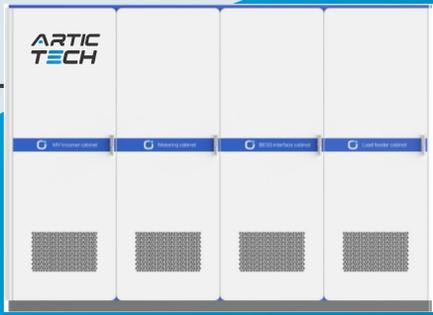


Energy Storage Cabinet+1 to 3 Battery cabinets

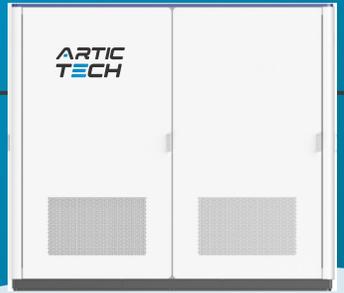
690V solution



MV Grid



- MV Backup Cabinet**
- 1. MV incomer cabinet (Grid connection)
 - 2. Metering cabinet (Metering point)
 - 3. BESS interface cabinet (For BESS)
 - 4. Load feeder cabinet (For load)



Transformer Cabinet
690V/10 to 35kV



One Energy Storage Cabinet+1 to 3 Battery cabinets

690V AC

24/7 High efficiency

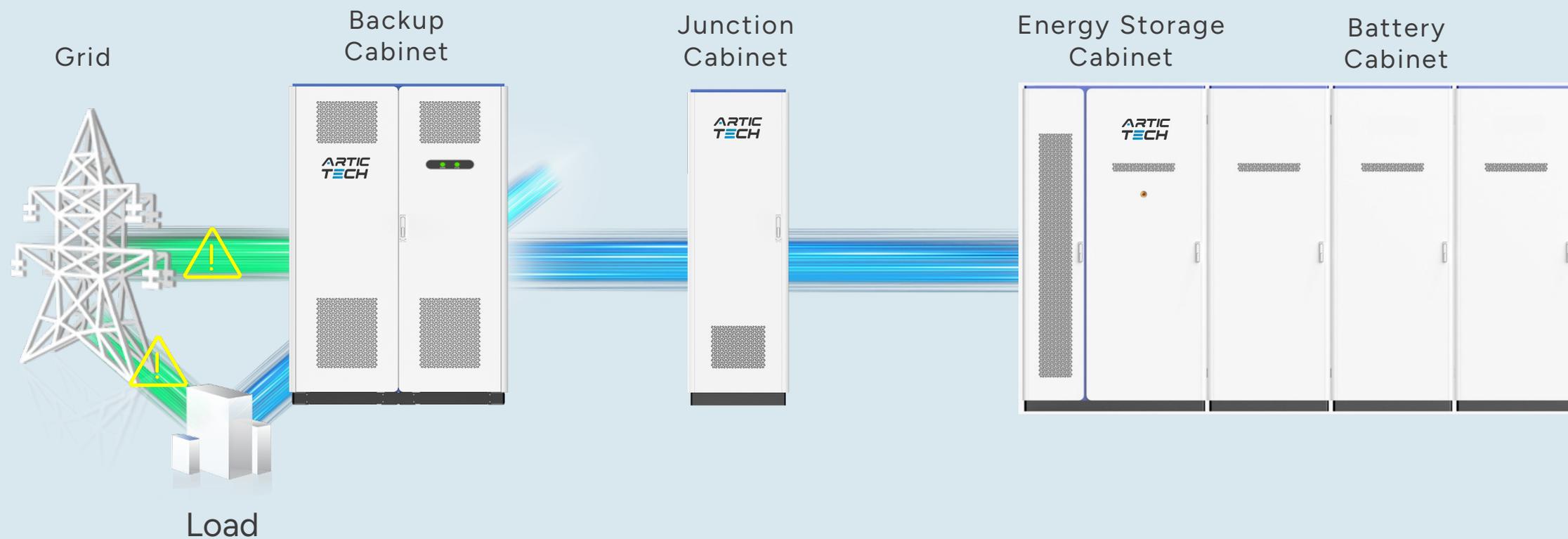


Highly efficient liquid cooling system

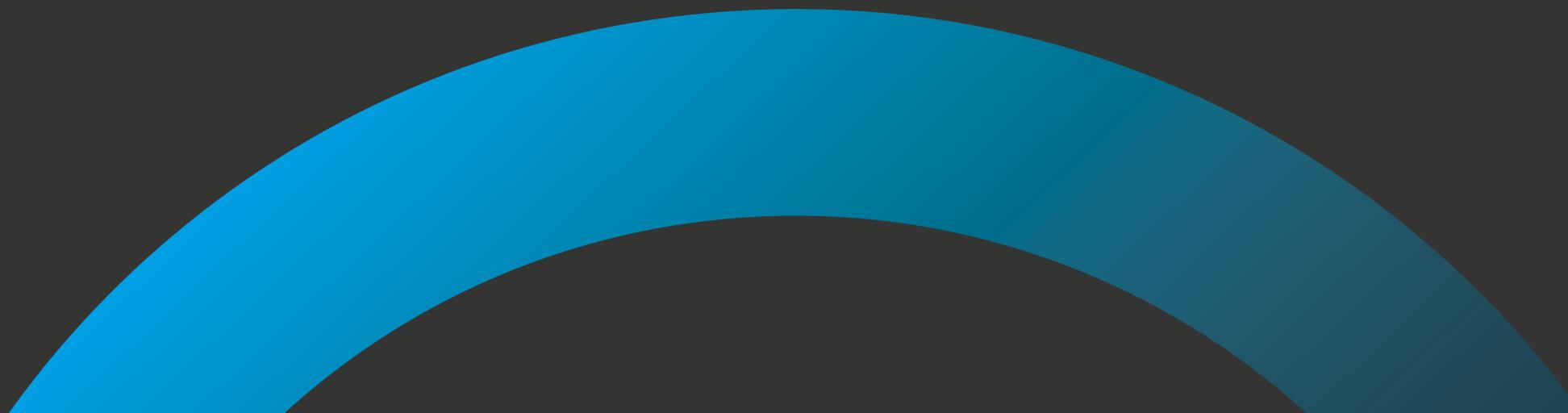


Smart temperature control strategy

Support grid on/off auto-switch



Lower LCOS



Compatible with larger cell



280Ah

320Ah



Compatible with larger 320Ah cell design

Higher energy density, single rack from 344kWh
updated to 393kWh

All-in-one design, Lower cost



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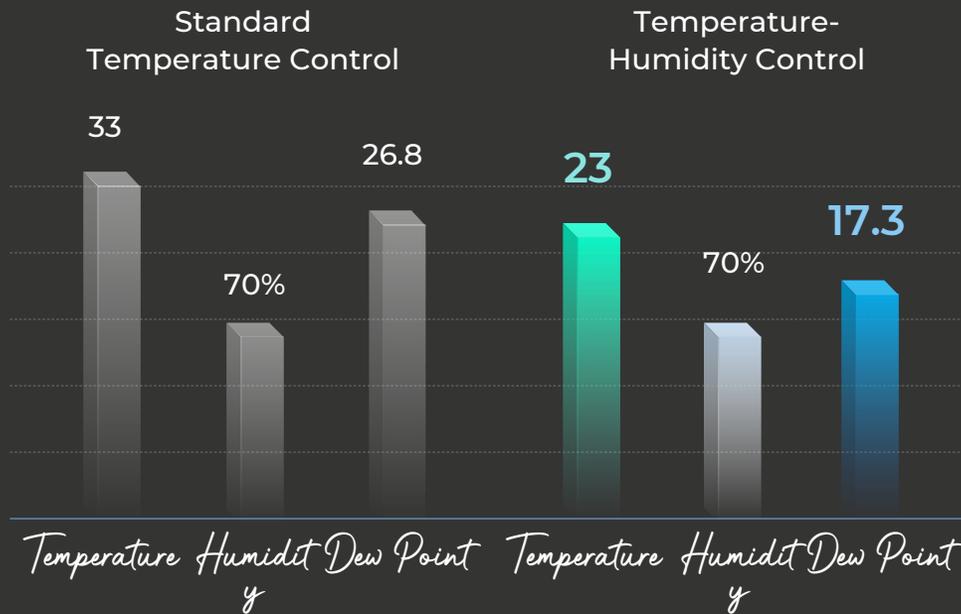
High efficient liquid cooling Smart humidity Control

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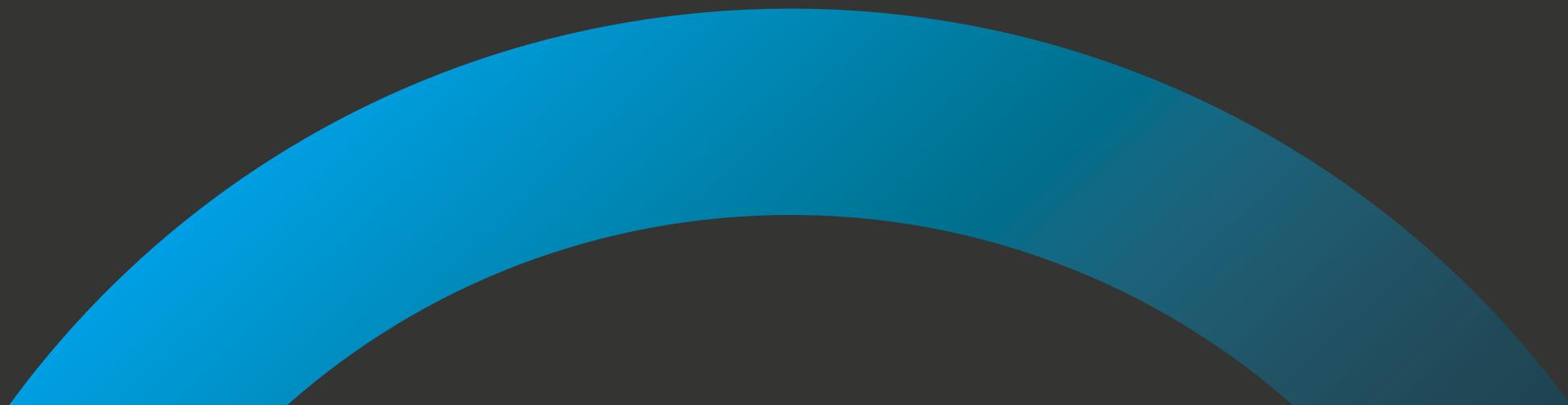


Anti-condensation design,
significantly lower dew point
temperature to longer system life

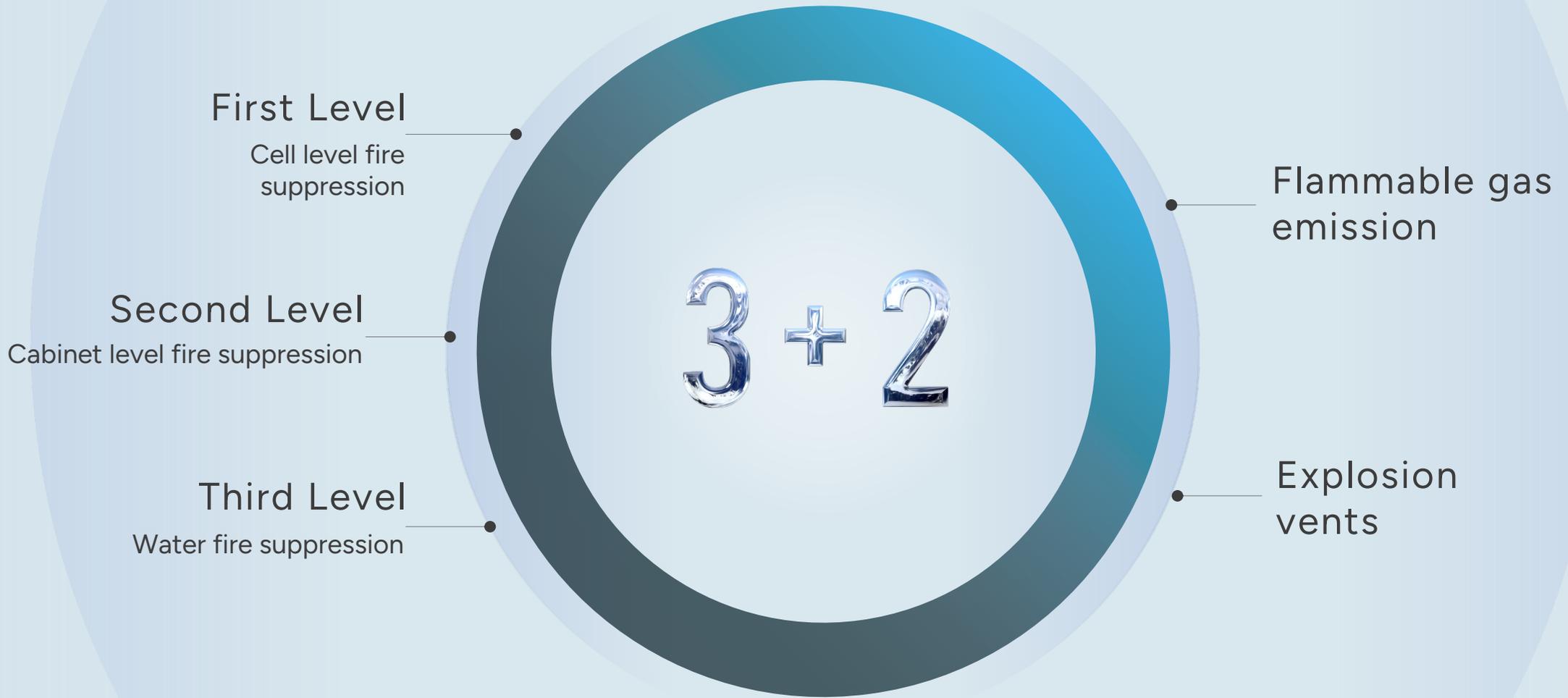
High efficient liquid cooling Smart humidity Control



Ultimate Safety



Ultimate Safety Design



First level-cell level Fire suppression

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Second Level-Cabinet fire suppression

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Cabinet-level
perfluorohexanone fire
suppression

Power distribution module
build-in fire suppression



Third level-Water fire suppression

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Water suppression nozzle

Flammable gas emission

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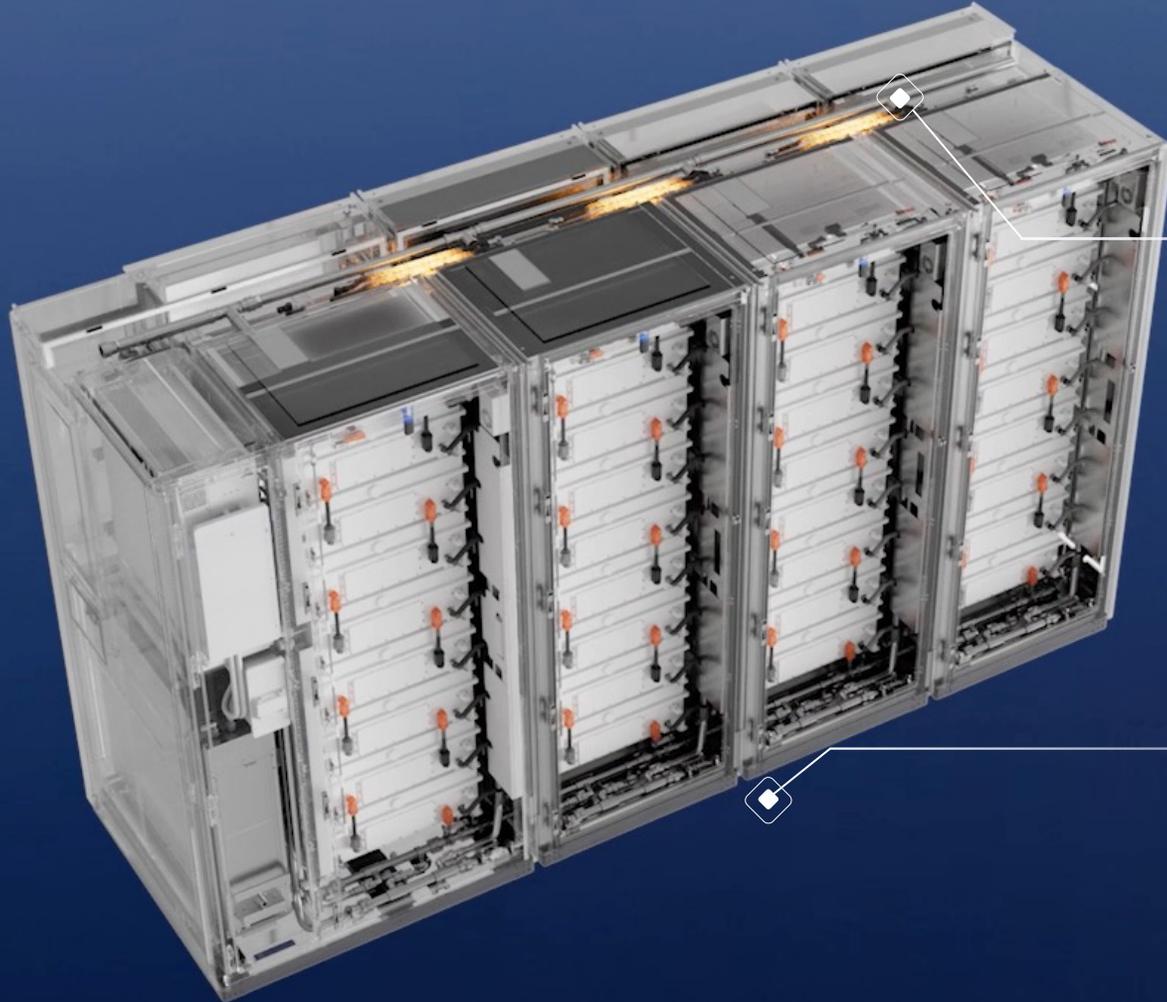
Flammable gas emission

Explosion vent test

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Electric and liquid separation

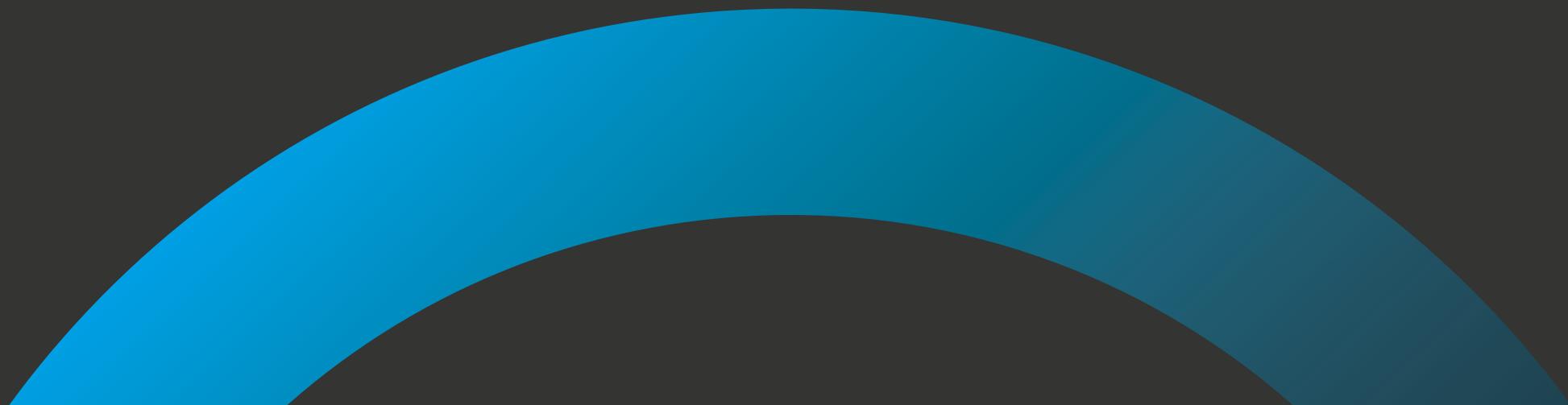


Electric

Liquid

Electricity and liquid separation
reduces system risks

Smart Management



Smart Management



PCS Power control module

CMU Rack & PCS management

CSU Energy storage subarray management
Integrated local EMS

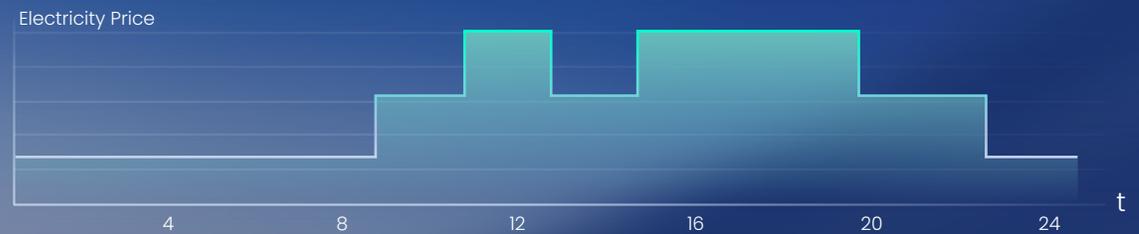
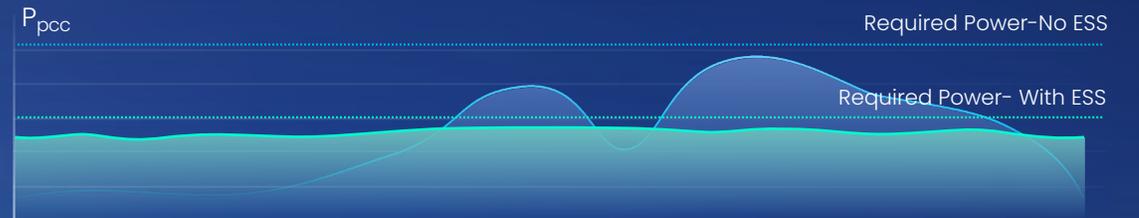
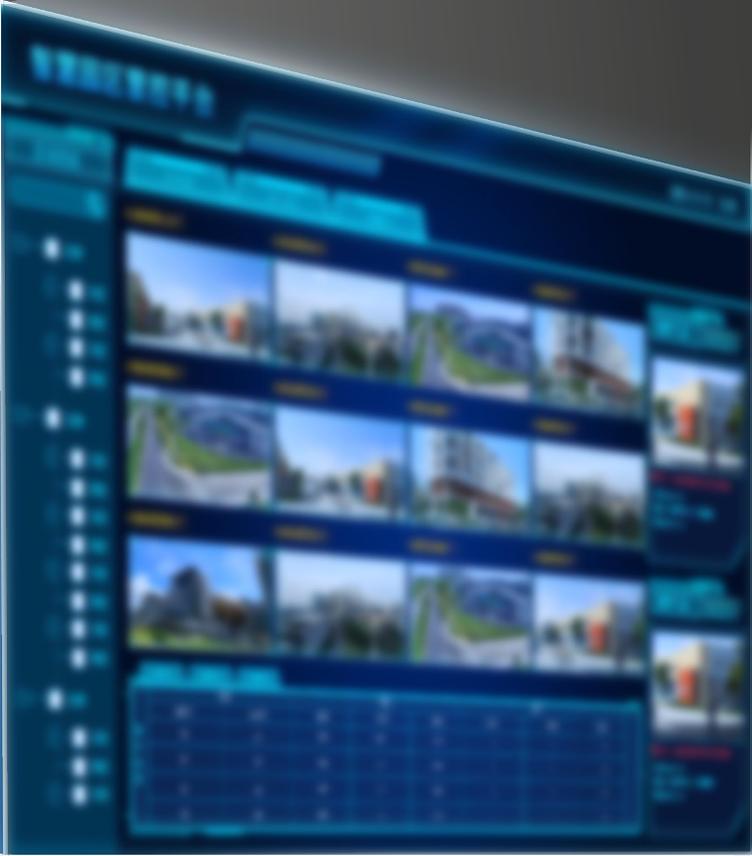


BCU Rack management

BMU Cell data information collection

 Real-time monitoring
information

15 Crucial data storage
YEARS 15yrs



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