

PowerCore

C&I Energy Storage System

50kW/100kWh



Your Energy Guardian Anytime, Anywhere

29.9–50kW

Hybrid Inverter

57–100kWh

Battery Cabinet



Superb



Flexible



User-Friendly



Safe



PowerCore

C&I Energy Storage System

50kW/100kWh

200%
PV Oversizing

280Ah
Battery Cells

Max. **20A**
PV Input Current
Per String

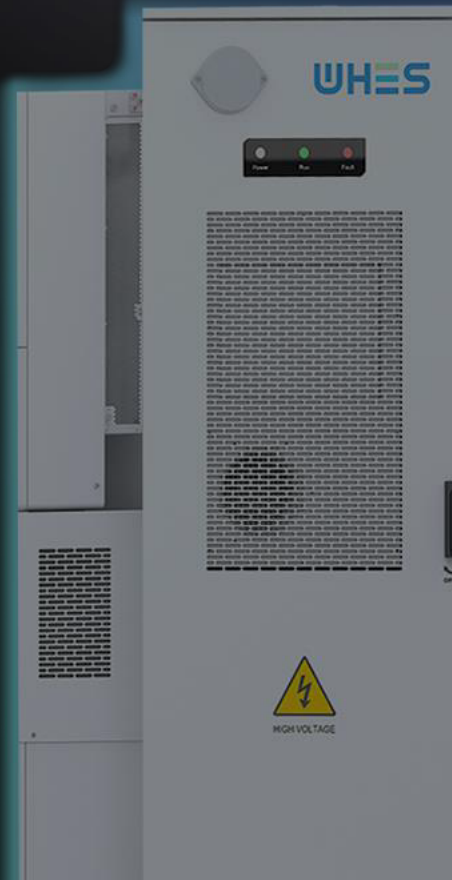
< 10ms
EPS Switching Time

Up to **6 units**
On/off grid Parallel
Operation

100%
Unbalanced loads

< 65dB
Suitable for Diverse
Environments

0.86m²
Footprint

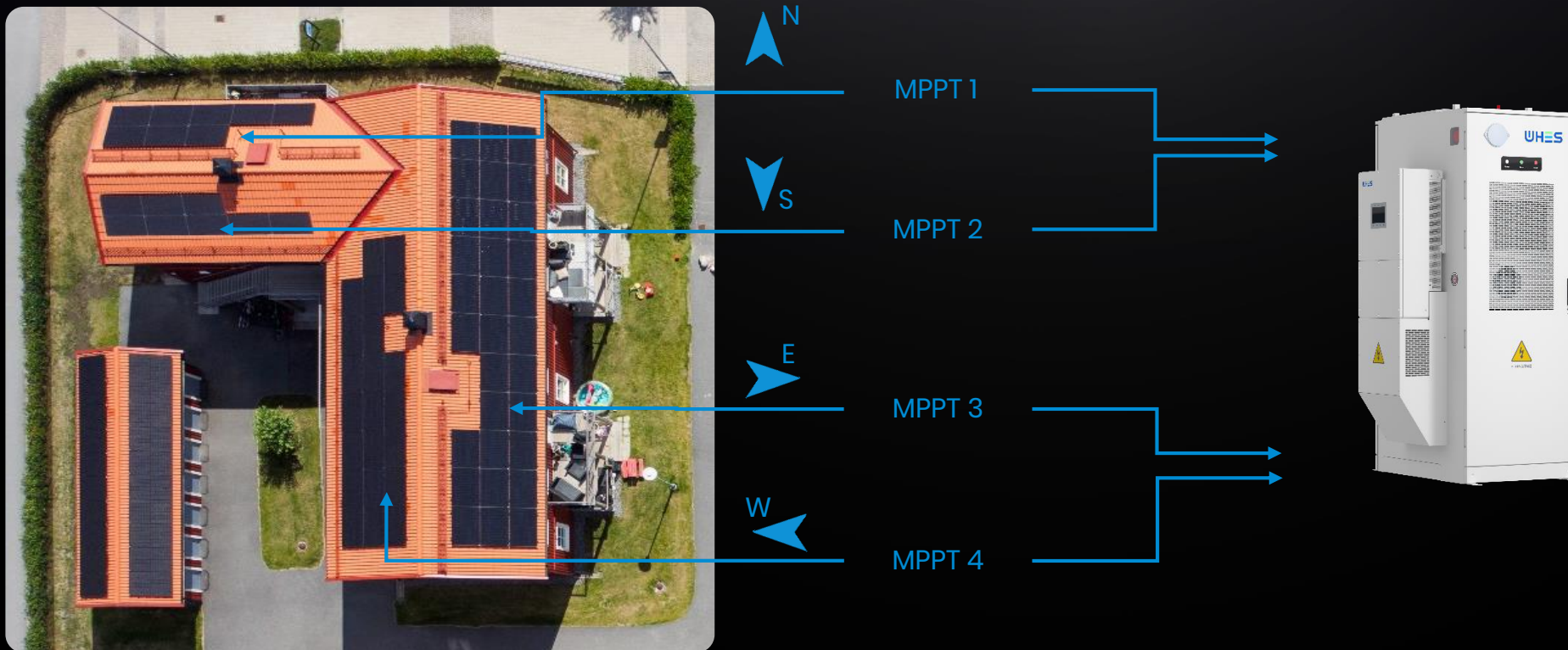


Guarding Every kWh

Optimized Energy Utilization

4 MPPTs

supporting 4 orientations for maximum energy yield.



Guarding Every kWh

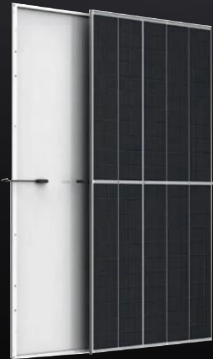
Optimized Energy Utilization

High Compatibility

M10



G12



G12R



Max. 20A

PV input current per string

Max. Power	550W	620W	670W
Efficiency (%)	21.5%	22%	22.5%
Voltage at Max Power (Vmpp)	42V	44V	45V
Voltage at Open Circuit (Voc)	50V	52V	54V
Current at Max Power (Impp)	11A	13.5A	14.5A
Current at Short Circuit (Isc)	13A	15A	16A

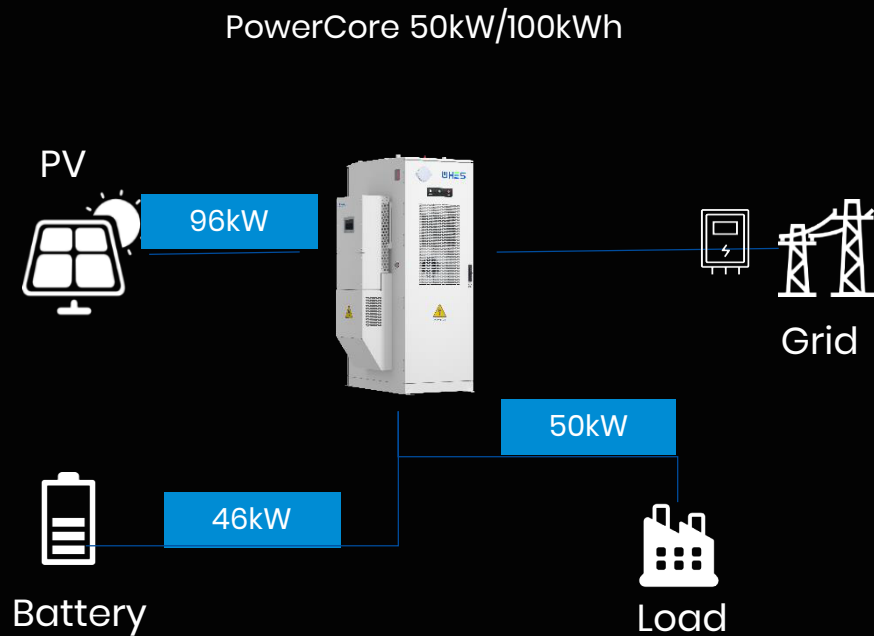
Supports mainstream PV modules: M10, G12, and G12R (182mm & 210mm)

Guarding Every kWh

Robust Performance

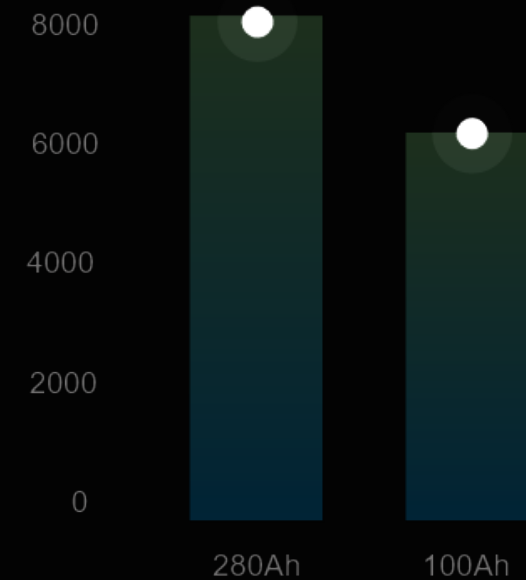
200% PV oversizing

Fully utilizes solar energy



280Ah

long-life cells with 8000 cycles.



Scalability & Flexibility

Support Paralleling

More Capacity, More Possibility.

Up to

3 PCS



DC Side Expansion

Up to

6 PCS



AC Side On/Off Grid Expansion

Up to

300kW
1.8MWh

Capacity

Scalability & Flexibility

Uninterrupted Power Supply

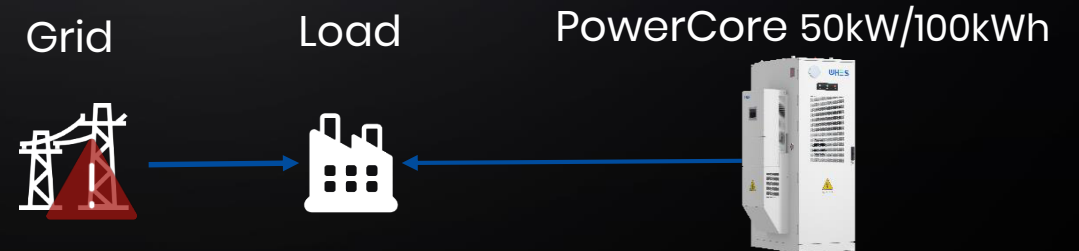
On/off Grid seamlessly Switching

Ensures stable operation under complex power conditions.

< 10ms

EPS switching for continuous power

Seamless backup for critical loads.

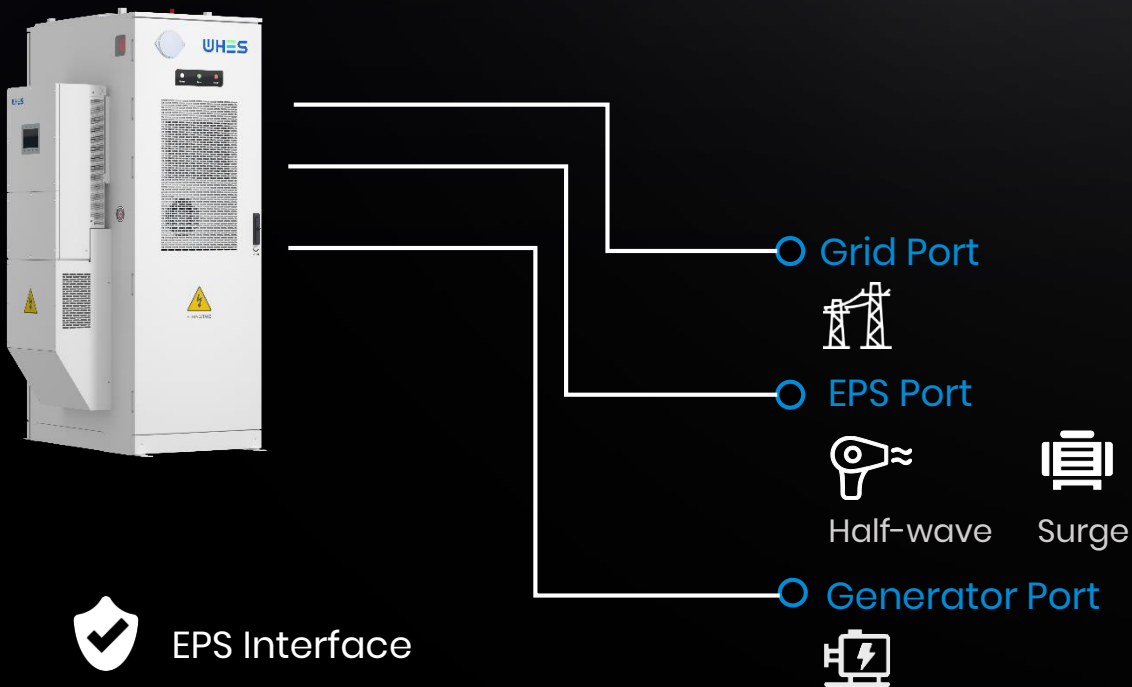


Scalability & Flexibility

Uninterrupted Power Supply

Supports all types of loads

Ensures stable operation under complex power conditions.



Stable

- EPS port support 2 seconds of 160% overload capability
- Support half-wave and surge loads
- Including generator port, support generator charging

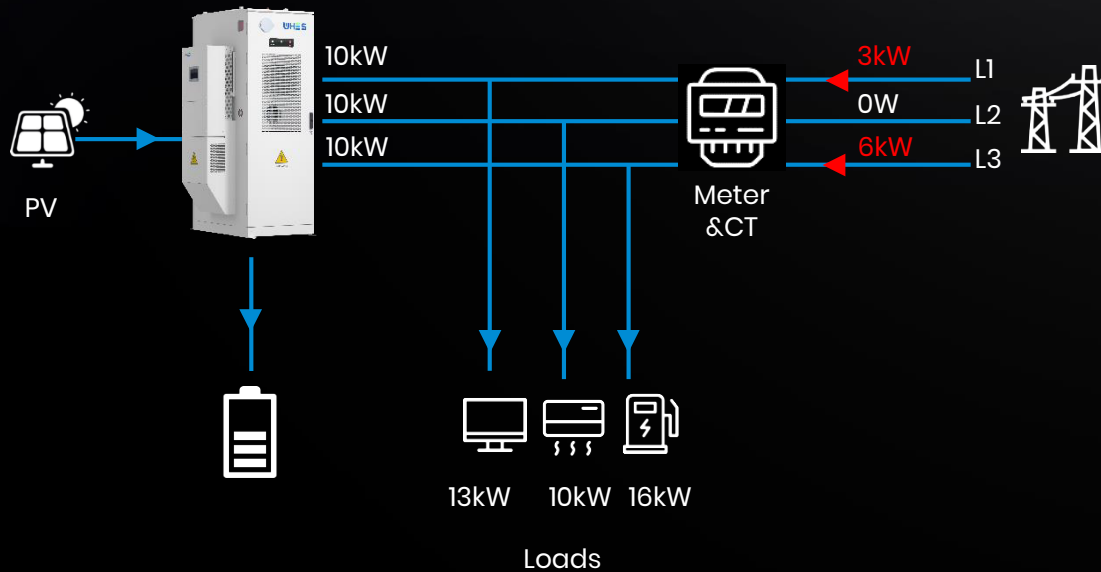
Scalability & Flexibility

Uninterrupted Power Supply

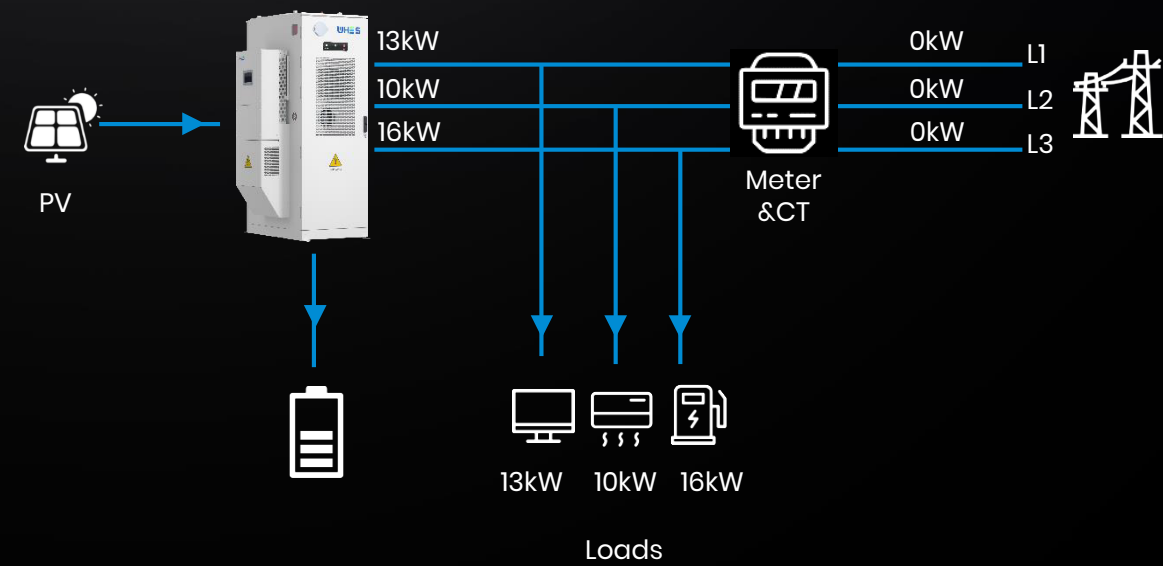
100% unbalanced output

Increasing self-use ratio and optimizing solar production

Without 100% unbalanced



100% Unbalanced output



Power Anywhere

No Space Limits



0.86m²

Compact Footprint (without inverter)



No foundation required,
simplifying setup.



Rapid Deployment

Power Anywhere

No Scenario Limits



Farm/Ranch



Factory



<65dB



School/Shopping Mall



Community



Power Anytime

Weather Covered

Design for Various Environments

IP55

For dust and water resistance



Power Anytime

Weather Covered

Design for Various Environments

IP66

Enhanced protection for
harsh conditions



Power Anytime

Weather Covered

Design for Various Environments

C5

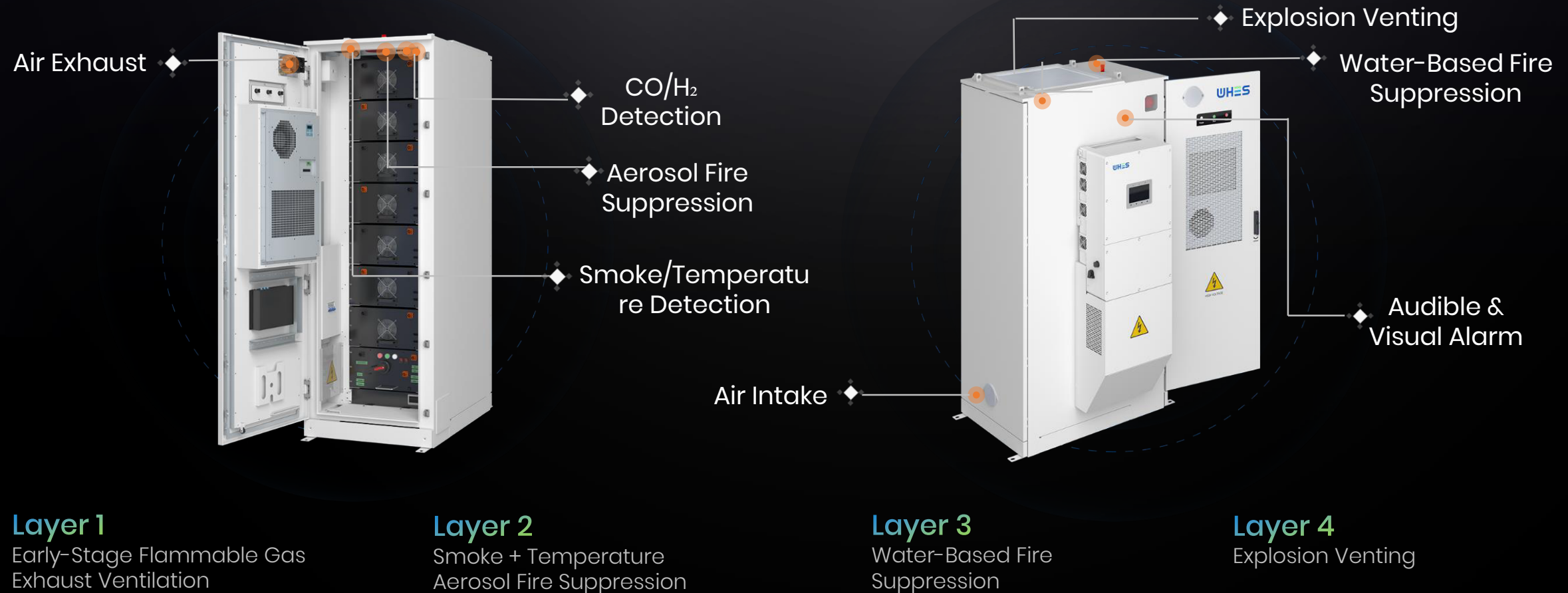
Ensures protection against
extreme corrosion



Power Anytime

All Protection Covered

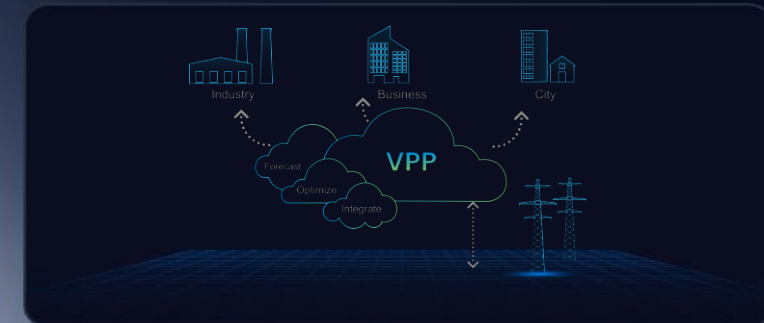
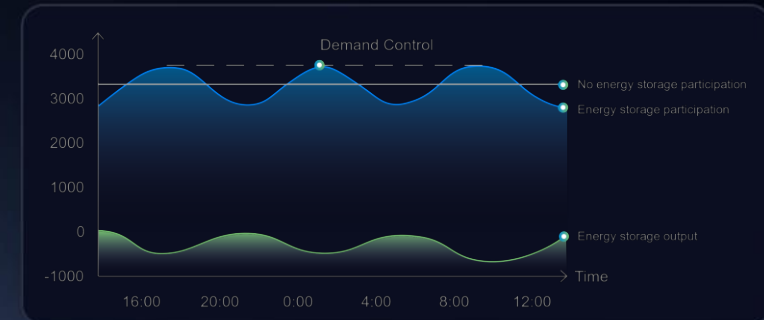
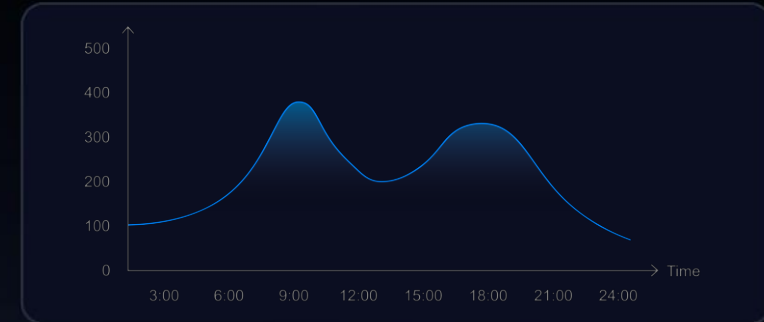
Four-Level Active and Passive Fire Protection System



Power Anytime

AI Monitored

Real-time Monitoring of Operational Data



Your Energy Guardian Anytime, Anywhere



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