

PowerIn

C&I PV&ESS Solution



PowerIn Solution



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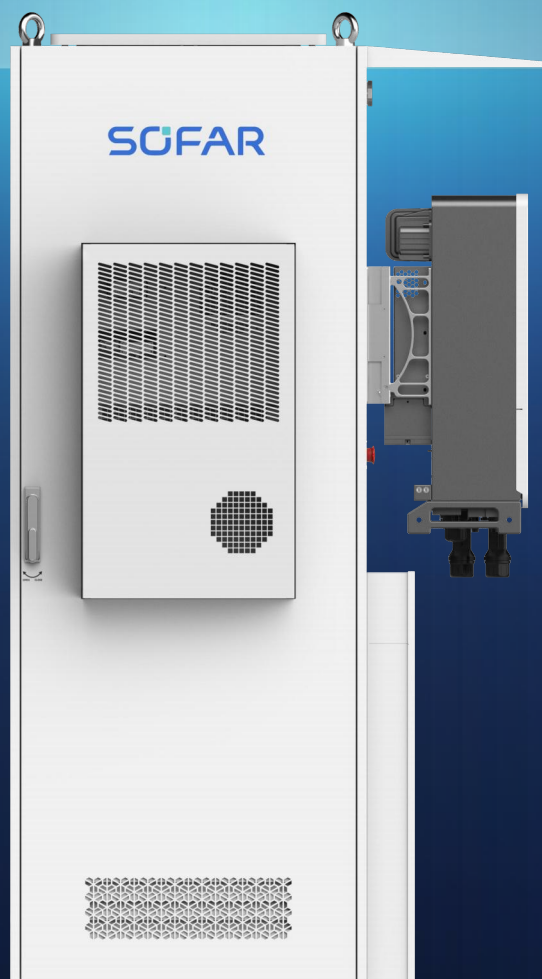
C&I energy storage system

200%
Max PV input

Max 40A
Max PV input

4 ms
Switch time

AFCI
Support



314Ah
Battery cell

Max 200%
overload capability

384kWh
extension capacity

7 layers
Battery protection

Robustness

200% PV input

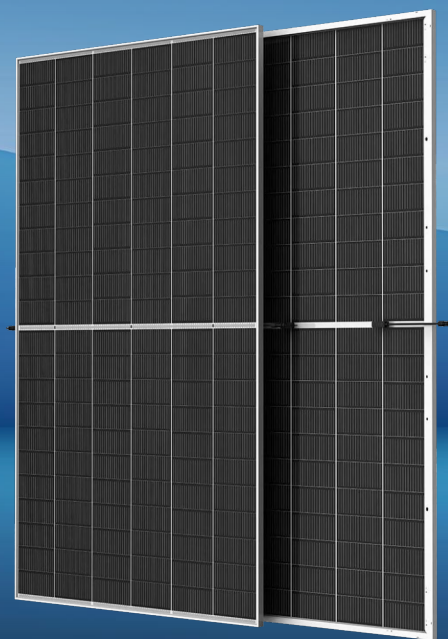
Full use of solar energy



14.9-60kW/64-96kWh

Max. 40A PV input

suitable for high power PV modules

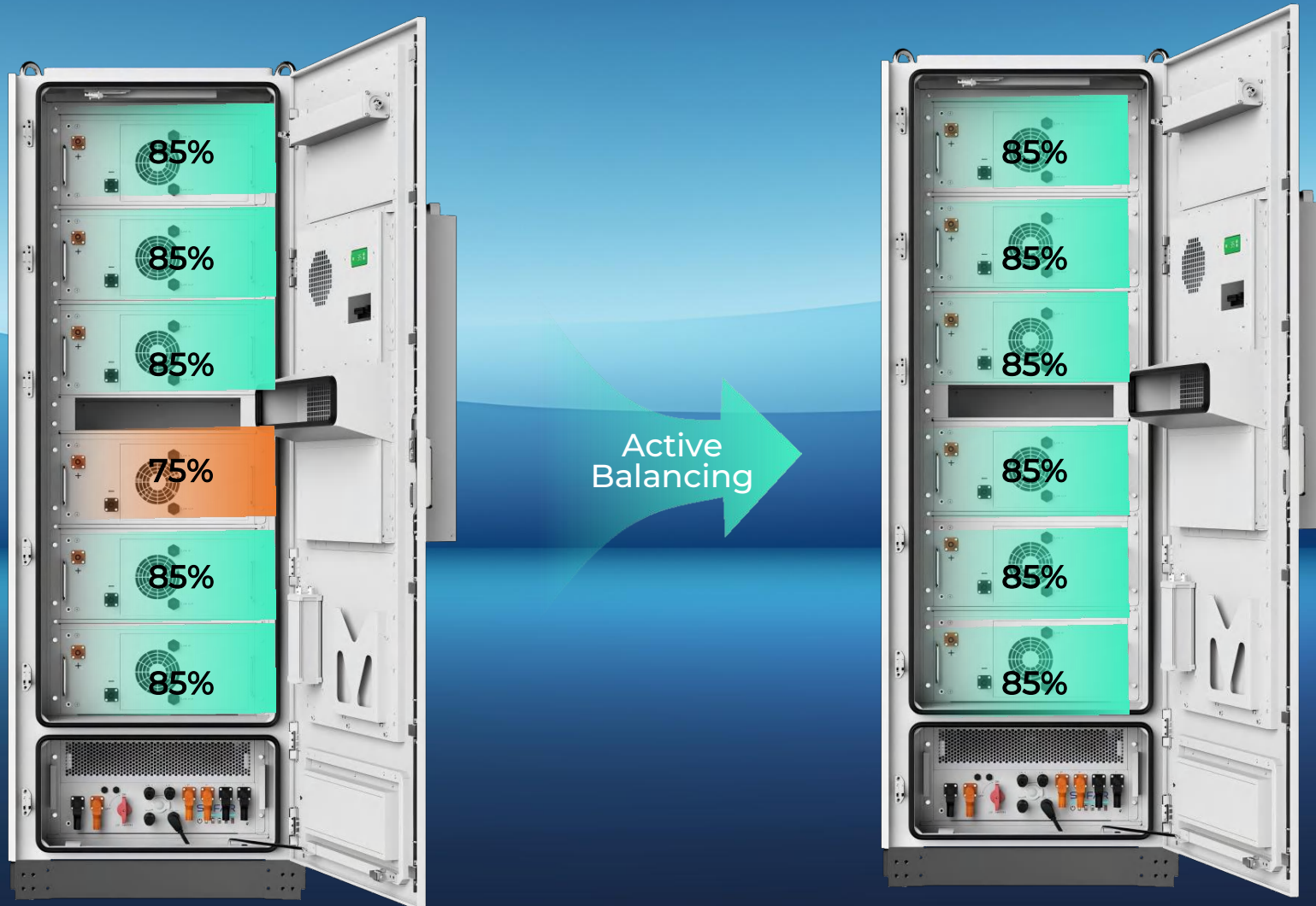


314 Ah Battery cell

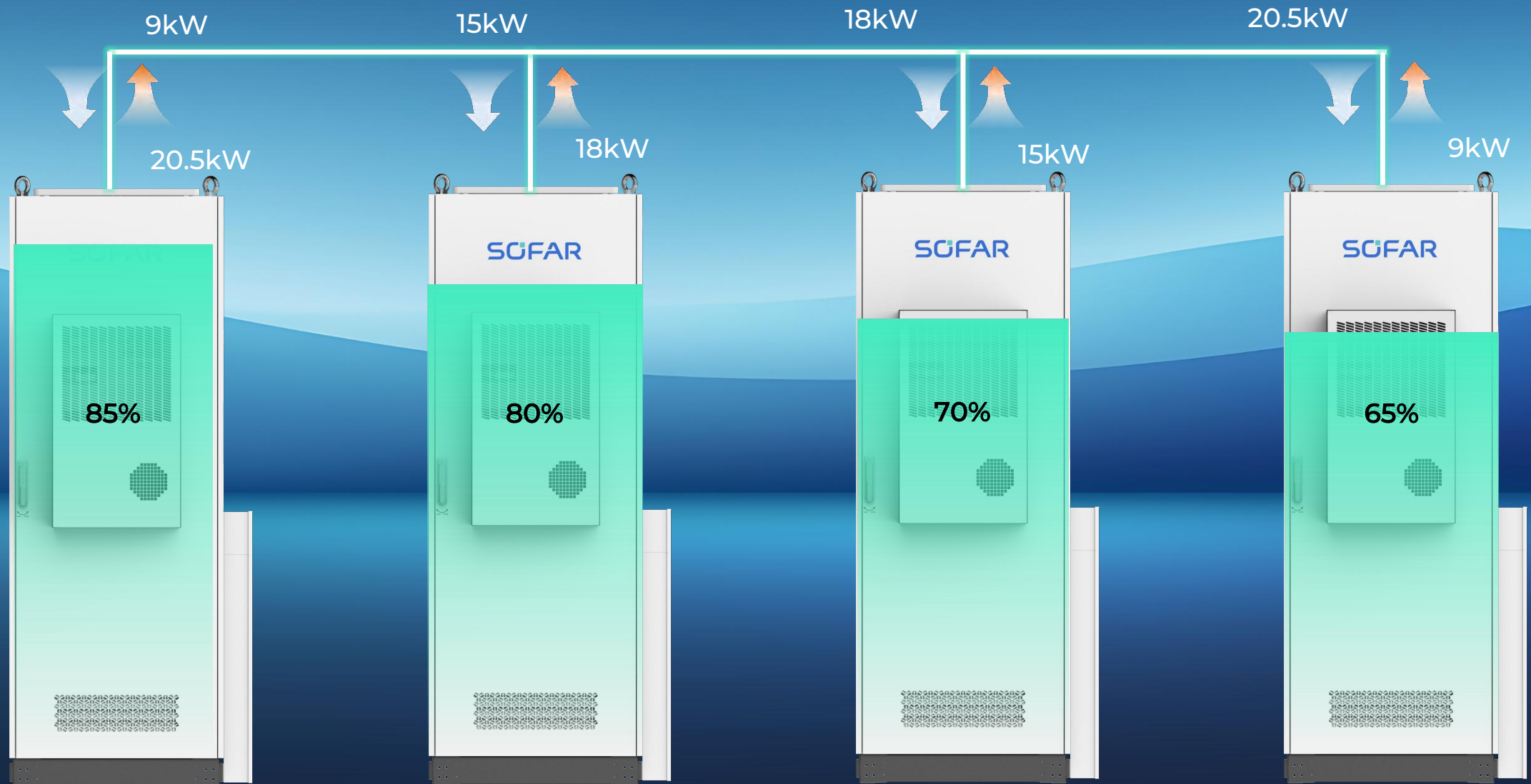
Long life with 8000 cycles



Active battery balancing



Active battery balancing



4ms switching time

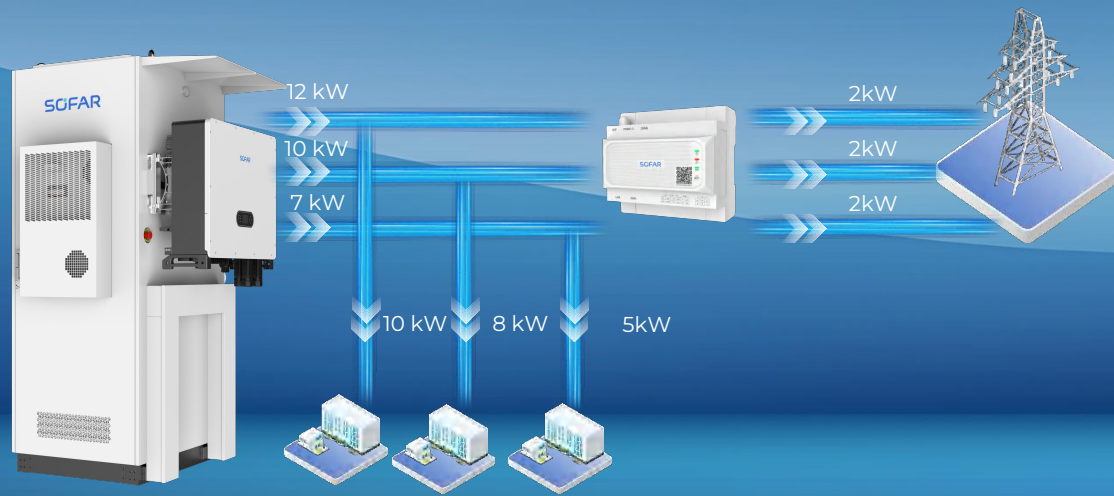
On-Grid & Off-Grid

Switch time $\leq 4\text{ms}$

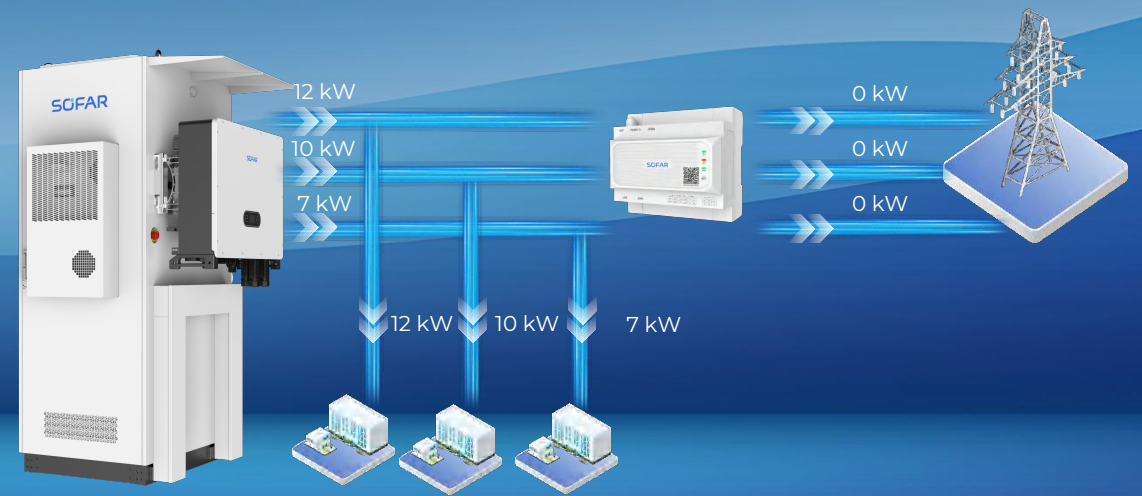
ensure reliable protection of critical load



Support 100% three-phase unbalanced load



On-grid, phase balance

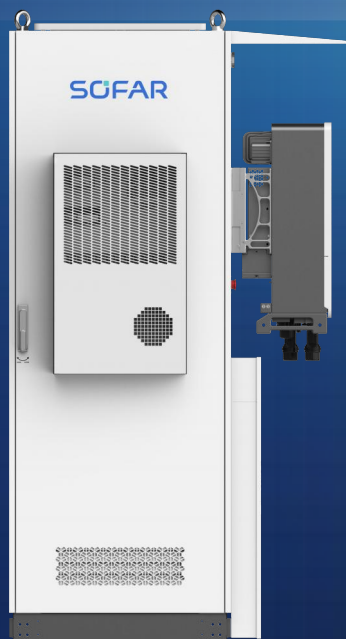


On-grid, zero-export

Flexible

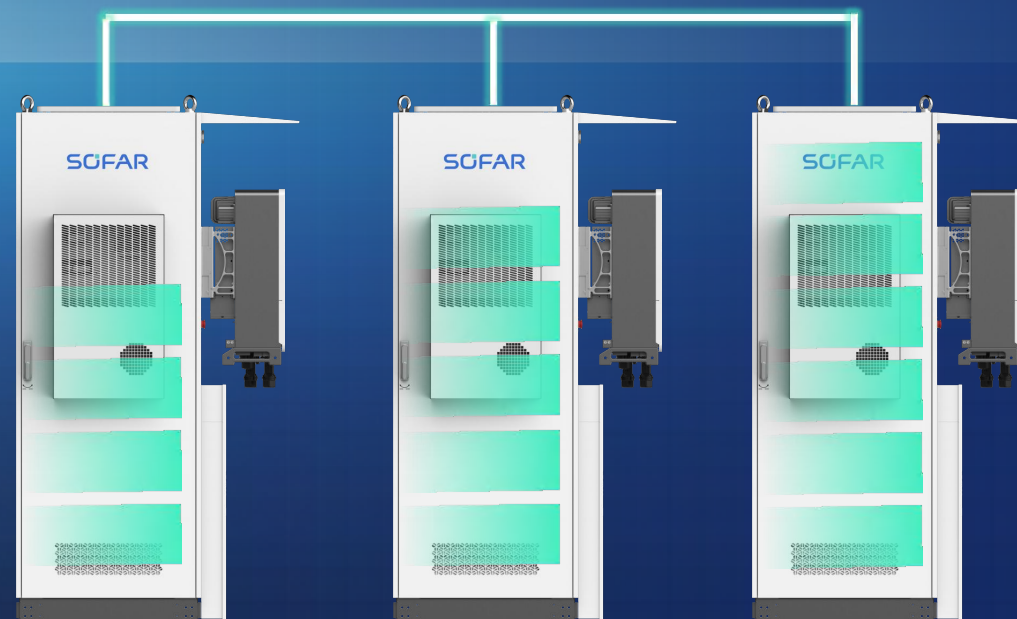
Flexible cabinet configuration

64/80/96kWh (4-6 packs)
Single cabinet capacity



Support intra-cluster expansion
within one year

Expandable anytime

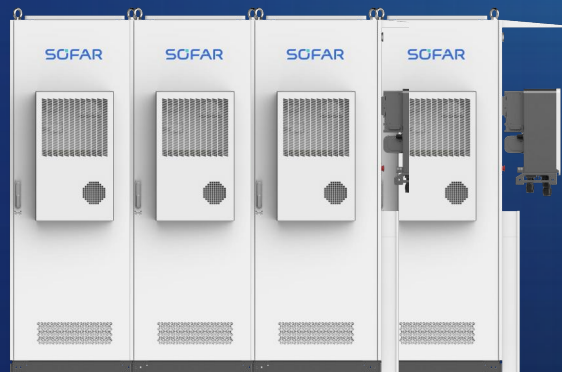


No requirement for identical capacities
between clusters

More capacity

Maximum

**4 cabinets
expansion**



Maximum

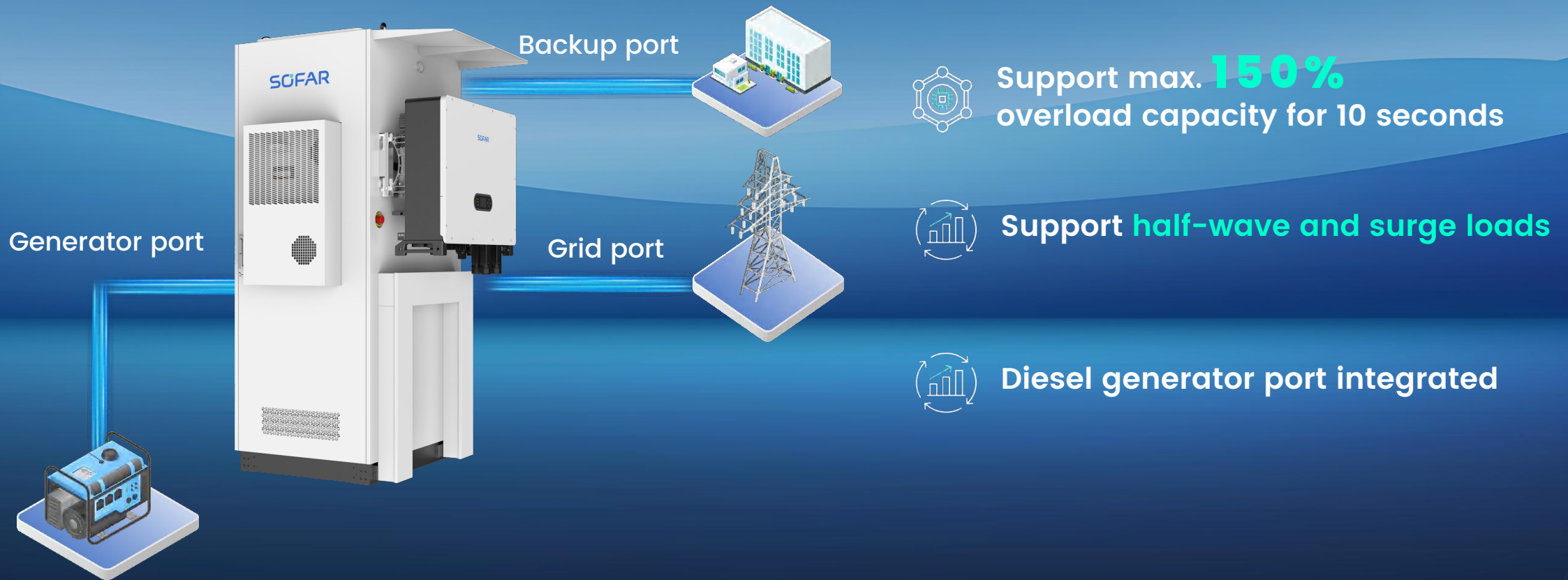
**6 PCS in parallel
(on-grid)**



Maximum

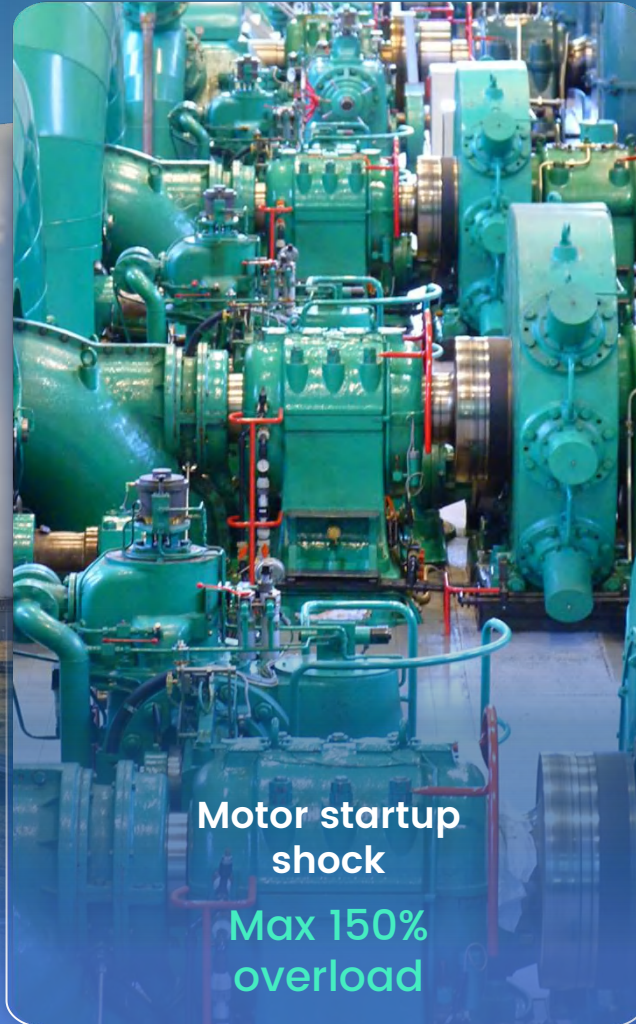
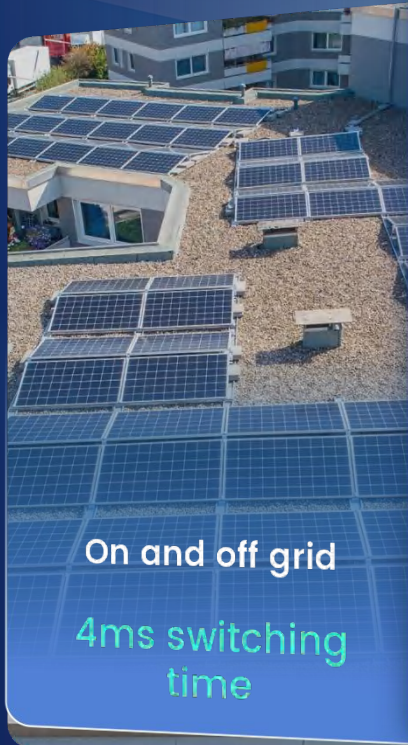
**360 kW
2.3 MWh**

Support all types of loads



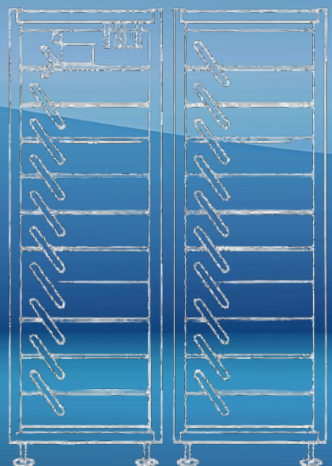
User-friendly

Diverse Load Adaptation



Pre-installed in factory

Easy transport and installation



Normal solution



Sofar solution

SGFAR

Full-load Noise level $\leq 65\text{dB}$

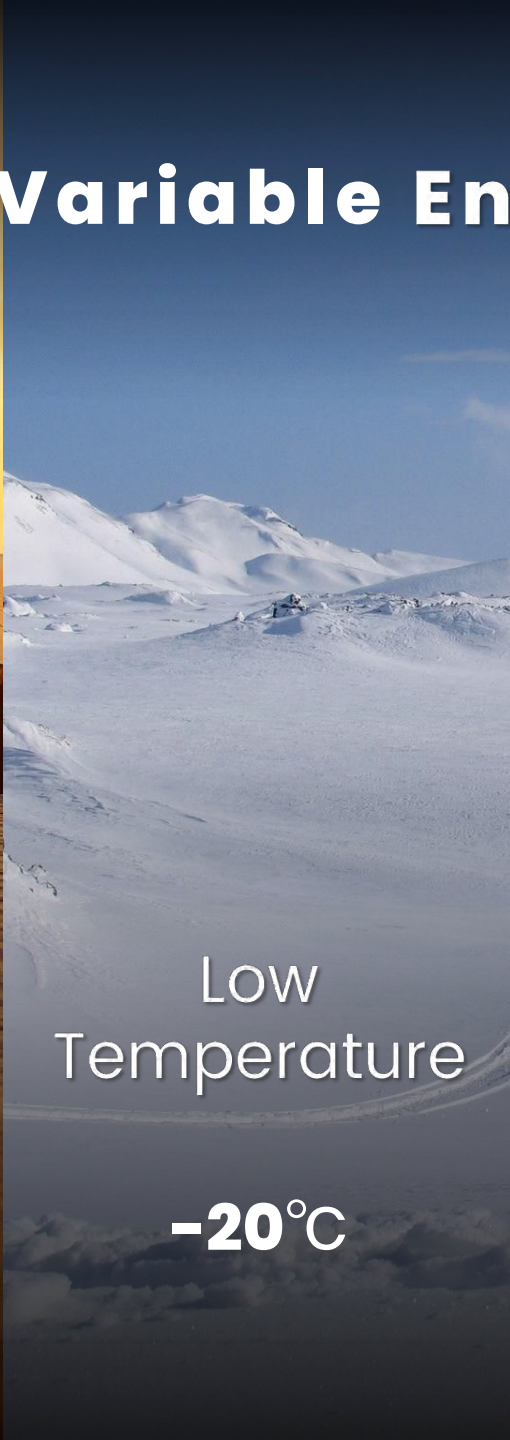


Variable Environment Adaptation



High
Temperature

50°C



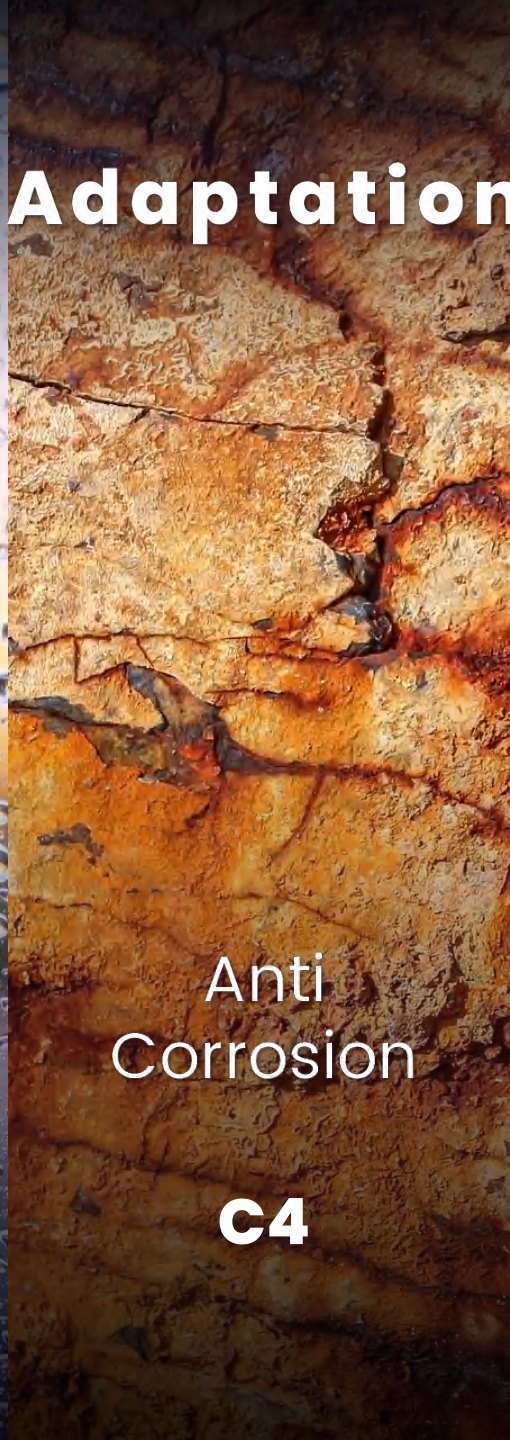
Low
Temperature

-20°C



Outdoor
Installation

IP55



Anti
Corrosion

C4



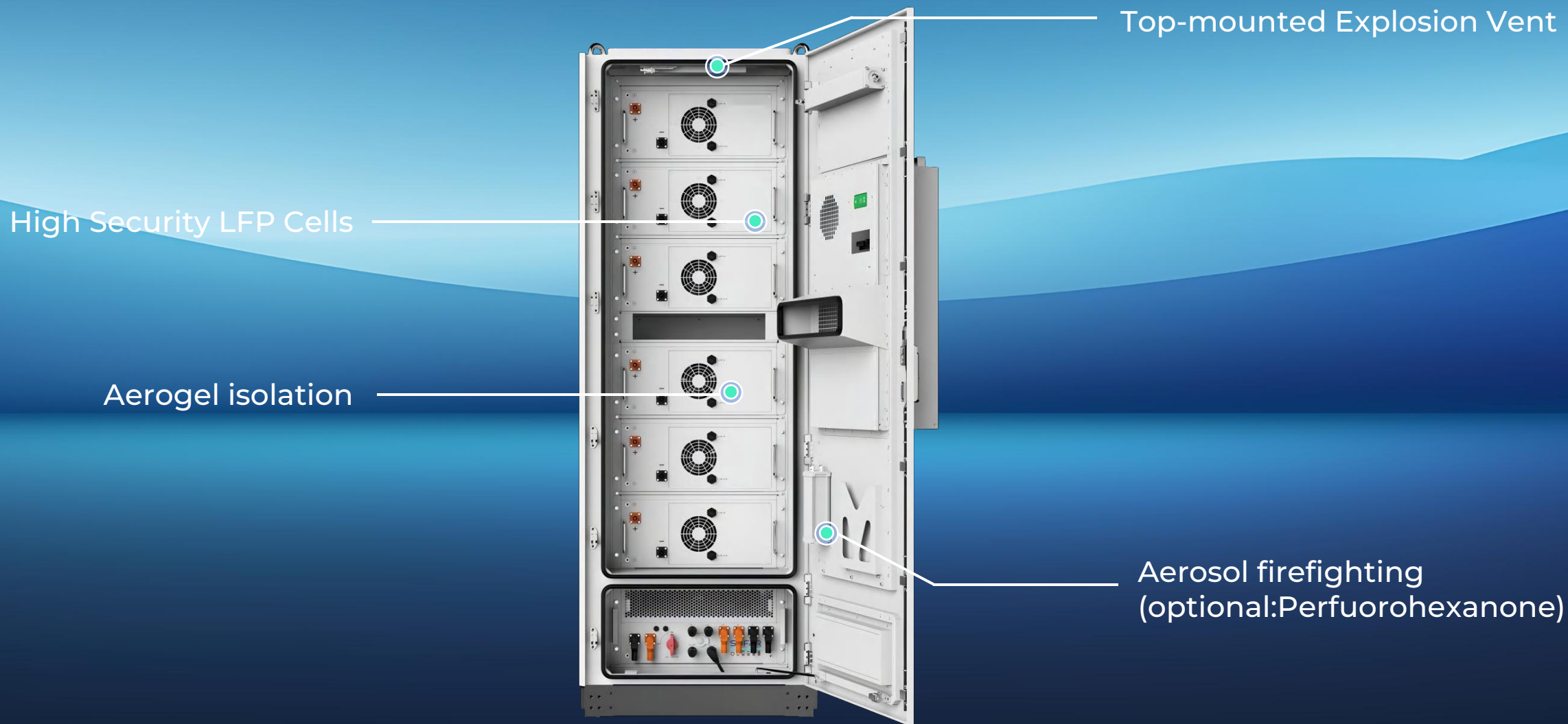
High
Altitude

3000m

Safety

Multi-level battery safety protection

SCFAR



PowerIn Inverters



HYD 14.9-30K-T1



HYD-40-60K-T1

HYD-14.9-30K-T1



- 3 MPPTs, 40A per MPPT
- 200% PV input power max
- 768kWh battery port, max. Cha/DisC 30kW
- AFCI, SPD type I+II
- Low weight <50kg
- 100% unbalanced power
- 4ms switching time on/off-grid
- 100% power in backup mode, 150% (10s)
- Diesel generator connection port

HYD-40-60K-T1

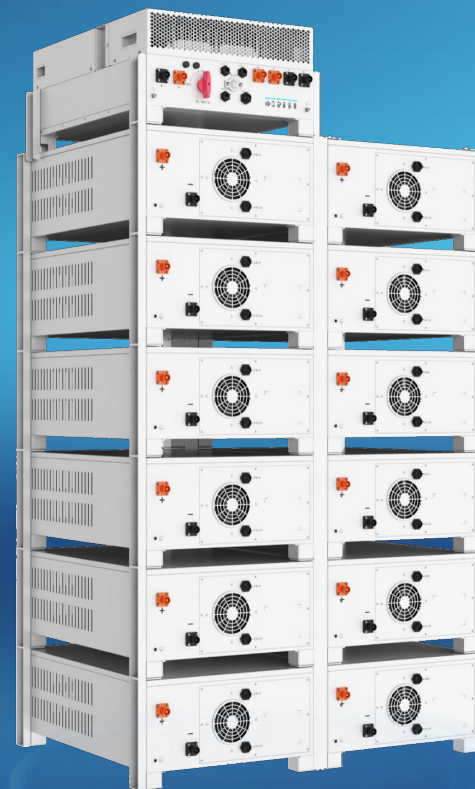


- 4 MPPTs, 40A per MPPT
- 200% PV input power max
- 768kWh battery port, max. Cha/DisC 50kW
- AFCI, DC SPD type I+II
- Low weight <75kg
- 100% unbalanced power
- 4ms switching time on/off-grid
- 100% power in backup mode, 150% (10s)
- Diesel generator connection port

PowerIn Battery



CBS8000-64-96KWH



CBS8000-H4-H12

CBS8000-64-96KWH



- 64/80/96kWh per cabinet, each cabinet can be flexibly configured from 64 / 80 / 96kWh (4-6 packs)
- 314 Ah battery cells
- up to 4 cabinets in parallel
- Each cabinet with maximum 48kW charging/62.5kW discharging power
- Standby consumption<50W(Typ.)
- Active balancing for each battery module
- Store up to 2 years without charging
- Noise level $\leq 65\text{dB}$ (Intelligent airflow with air-conditioner)
- IP55 design for outdoor

CBS8000-H4-H12



- 16kWh per module
- Each tower can be flexibly configured with 64~192kWh (4-12 packs)
- up to 4 towers in parallel
- Each tower with maximum 125kW charging/discharging power
- Standby consumption<15W(Typ.)
- Active balancing for each battery module
- Store up to 2 years without charging
- Noise level $\leq 39\text{dB typ.}$ (Intelligent airflow)
- IP65-BCU/IP20-BMU, system design for indoor installation

PowerIn Solution



Robustness

- 200% PV inputMax. max. 40A per MPPT
- Active battery balancing
- Effortless operation, cloud control
- 4ms switching time
- Support 100% unbalanced loads



User-friendly

- Pre-installed in factory
- Diverse Load Adaptation
- Full-load Noise Level $\leq 65\text{dB}$



Flexible

- Each cabinet can be flexibly configured from 64 / 80 / 96kWh (4-6 packs)
- up to 4 cabinets in parallel



Safety

- IP55 protect rating and C4 corrosion
- Multi-level battery safety protection



ENERGY TO POWER YOUR LIFE



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