

Product features



High Security

- IP67 protection rating for all outdoor applications
- Preventive fire strategy with pack-level fire suppression and detection system
- Safe and stable operation under all charging and discharging conditions
- Temperature difference between cells ≤3°C within a module, ensuring efficient and stable temperature control



- Rapid response within 30ms when discharging mode activated
- Round-trip efficiency exceeds 93%



Utility-scale solution

Peak shaving

Scheduling response

Primary and secondary frequency regulation

Black start

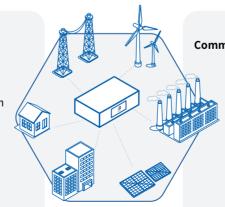
Energy arbitrage

Demand management

T&D deferral

Backup power

Dynamic reactive power support

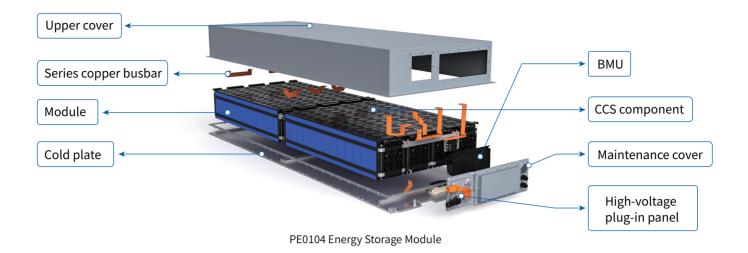


Applications

Commercial & Industrial Solution



Peak shaving
Relieve capacity congestion
Dynamic reactive power support
Delaying expansion and upgrading
Energy arbitrage
Backup power



Technical Specifications

Product model	PE0052	PE0104	PP0047
Chemistry	LFP		
Cooling Solution	Liquid		
Battery manufacturer	CATL		
Configuration	1P52S	1P104S	1P52S
Rated Energy (kWh)	52.2	104.4	47.4
Rated Capacity (Ah)	314	314	314
C-Rate	0.5	0.5	1.0
Rated Power (kW)	26.1	52.2	23.7
Rated Voltage (V)	166.4	332.8	166.4
Altitude	≤5,000m (16,400 ft) (Derating above 2000m)		
IP	IP67		
Weight (kg)	339±3 (747 lbs)	684±3 (1,508 lbs)	336±5 (741 lbs)
Dimension (L×W×H) (mm)	1160×810×245 (45.7" x 31.9"x 9.6")	2180×790×245 (85.8" x 31.1" x 9.6")	1160×810×245 (45.7" x 31.9" x 9.6")
Certifications	GB/T36276, UN38.3, UL 1973, UL 9540A, IEC 62619, IEC 63056I, EC 60730-1, EN 61000-6-2, EN 61000-6-4, EN 62477-1, RoHS, REACH		





Liquid-Cooled Energy Storage Cabinet



Product features



High **Security**

- IP55 protection level with C5 anti-corrosion level for extreme environmental applications
- Preventive fire strategy with pack-level fire suppression and detection system, and rack-level sprinkler systems



Outstanding Efficiency

- Low self-consumption with 91% system efficiency (without AUX)
- Integrated liquid cooling system with outstanding temperature control ability



Fully Integrated

- Flexible modular design
- Independent water cooling system
- High energy density design, saving 50% of space required
- Can be shipped with batteries installed, reducing the cost of on-site installation and commissioning



Utility-scale solution

Peak shaving

Scheduling response

Primary and secondary frequency regulation

Black start

Energy arbitrage

Demand management

T&D deferral

Backup power



Commercial & Industrial Solution



Peak shaving Relieve capacity congestion Dynamic reactive power support Delaying expansion and upgrading **Energy arbitrage** Backup power

Technical Specifications

	Product model	CE0261	
DC-Side Parameters	Chemistry	LFP	
	Battery manufacturer	CATL	
	Configuration	1P260S	
	Rated Energy (kWh)	261.2	
	Rated Capacity (Ah)	314	
	C-Rate	0.5	
	Rated Voltage (V)	832	
AC-Side Parameters	Rated Power (kW)	125	
	Max Power (kW)	137.5	
	Output Voltage (V)	400±10%	
	Power Factor	-0.99 to +0.99	
	Frequency (Hz)	60	
System Parameters	Cooling Method	Liquid	
	Fire Protection System	Aerosol	
	Operating Temperature	-30 to 50 (°C) (Derating above 45) $/$ -22 to 122 (F)	
	Operating Humidity	0 to 95% (Non-condensing)	
	Switch Time(between charging & discharging)	≤100 ms	
	Noise Level (dB)	≤75	
	Anti-corrosion Level	C5	
	Altitude	≤5,000m (16,400 ft) (Derating above 2,000m)	
	IP	IP55	
	Weight (kg)	3,000 / (6,614 lbs)	
	Dimensions (L×W×H) (mm)	2300×1350×1350 (90.5"x 53.1" x 53.1")	
Certifications	GB/T36276, UN38.3, UL 1973, UL9540, UL 9540A, IEC 62619, IEC 63056, IEC 60730-1, EN 61000-6-2, EN 61000-6-4, EN 62477-1, RoHS, REACH		





Product features



High Security

- Protection level IP55/Pack IP67 and C5 anti-corrosion level for all outdoor applications
- Fully charge and discharge, extremely safe and stable operation
- Fire prevention-optimized design with three-tiered detection across modules, rack, and container
- Temperature difference between cells within a module ≤3°C, ensuring efficient and stable temperature control



Outstanding Efficiency

- Rapid response within 30ms
- Round-trip efficiency exceeds 93%



Fully Integrated

- Modular design with a compact structure
- Separate electrical room and battery room for convenient maintenance
- Non-walk-in/modular highly integrated design, saving 35% of space required
- Prefabricated containerized solution, reducing the cost of on-site installation and commissioning



Utility-scale solution

Peak shaving

Scheduling response

Primary and secondary frequency regulation

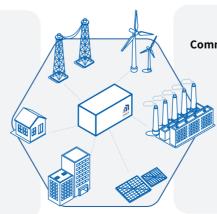
Black start

Energy arbitrage

Demand management

T&D deferral

Backup power



Commercial & Industrial Solution



Peak shaving
Relieve capacity congestion
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Applications



Technical Specifications

Product model	DE5015-A	DE5015	DE3035	
Chemistry	LFP			
Battery manufacturer	CATL			
Configuration	12P416S (PE0052)	12P416S (PE0104)	8P416S	
Rated Energy (kWh)	5,015	5,015	3,035	
Rated Capacity (Ah)	314	314	285	
C-Rate	0.5	0.5	1.0	
Rated Power (kW)	2,507	2,507	3,035	
Rated Voltage (V)	1,331			
Cooling solution	Liquid			
Fire-fighting Configuration	Aerosol/Dry pipe optional			
Operating Temperature	-30 to 50 (°C) (Derating above 45) / -22 to 122 (F)			
Operating Humidity	0~100% (≤95% Non-condensing)			
Noise Level (dB)	≤85			
Anti-corrosion Level	C5			
Altitude (m)	≤5,000m (16,400 ft) - (Derating above 2000m)			
IP	IP55			
Weight (mt)	<45 / <(99,208 lbs)	<43 / <(94,800 lbs)	<35 / <(99,208 lbs)	
Dimensions (L×W×H)(mm)	6250×2650×3100 (246" x 104" x 122")	6058×2438×2896 (239" x 96" x 114")	6096×2650×3100 (240" x 104" x 122")	
Certifications	GB/T36276, UN38.3, UL 1973, UL9540, UL 9540A, IEC 62619, IEC 63056, IEC 60730-1, EN 61000-6-2, EN 61000-6-4, EN 62477-1, RoHS, REACH			

