

PowerAce

Utility Energy Storage System
1488kW / 2980kWh

Ace in Every Way. |||

CATL

Battery Packs

Built-in PCS

Simplifies Delivery and Enhances Efficiency

Full Fire Protection

With Multi-layered Proactive Prevention and Fire Suppression

50 °C

Full Performance
without Derating

30%

Footprint Reduction
through Modular Design



Powered by
PANGUOS
From UHES

Safe & Reliable

- Proactive Prevention: Intelligent control, temperature monitoring, gas detection, and water immersion ensure safety.
- Fire Suppression: Sprinklers, vent panels, FACP, aerosol, and pressure relief ports provide full protection.

Efficient & Flexible

- Modular design reduces footprint by 30%, enhancing space utilization.
- Cluster management responds to capacity needs and minimizes failure impacts.

Enhanced Performance

- Integrated AC/DC system reduces initial investment costs.
- Cluster management increases generation efficiency for higher revenue.
- Single-stage DC/AC conversion improves charging and discharging efficiency, reducing energy loss.
- Wide operating conditions support efficient performance in up to 50°C without derating.

Easy O&M

- Standardized design simplifies delivery and reduces implementation time.
- Cluster management reduces manual operations and lowers operational costs.
- Advanced liquid cooling reduces coolant need and maintenance.

Contact Us

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PowerAce

Technical Specifications

Model	IA-1488kW/2980kWh-DA10
DC Side	
Cell Type	LFP
Cell Specification	3.2 V / 280 Ah
Battery Configuration	416S8P
Nominal Capacity	2.98 MWh
Nominal Voltage Range	1123.2... 1497.6 V
AC Side	
Nominal AC Power	186 kVA * 8
AC Current Distortion Rate	< 3 % (at nominal power)
DC Component	< 0.5 %
Nominal AC Voltage	690 V
AC Voltage Range	621...759 V
Power Factor	> 0.99 (Nominal Power)
Adjustable Range of Reactive Power	-100% ...100 %
Nominal Frequency	50 Hz
General Data	
Dimension (W*D*H)	6058*2462*2896 mm
Weight	31000 kg
Protection Level	IP55
Anti-corrosion Level	C3/C5 (optional)
Operation Ambient Temperature Range	-30°C...+ 50°C (Derating @ > 50°C)
Operation Humidity Range	0%...100 % (Non-condensing)
Maximum Operation Altitude	3000 m
Cooling Method	Liquid Cooling (DC Side)
Fire Suppression System	Flammable gas detector, Smoke detector, Heat detector, Sounder beacon, Alarm bell, Warning sign, Extinguishant abort button, Ventilation system, Pressure relief port, Manual automatic switching and emergency starting device(Default) Sprinkler, Vent panel, FACP,Aerosol.
Communication	Modbus TCP
Standard ¹	IEC62619, IEC6000, IEC63056, IEC62477, EN50549-2, UL9540A, UN38.3

¹ For all standards refer to the certificates category on the WHES website.