

PA-3.0EU

Utility Energy Storage System
744-1488kW / 1490-2980kWh



50 °C

Full Performance
without Derating

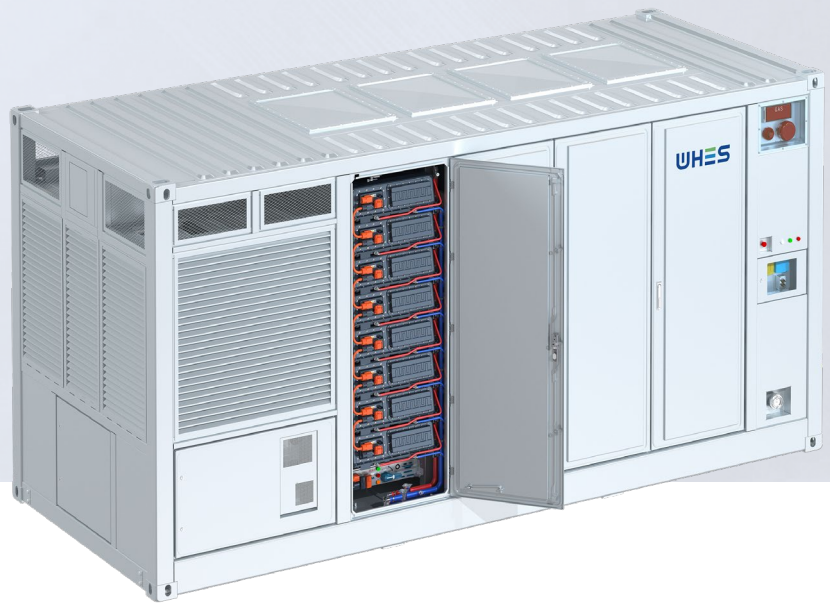
Flexible

Cluster Reduction

4 Hours

Support 4h System

Powered by



Enhanced Performance

- String architecture isolates single-point failures, eliminates SOC imbalance.
- 50°C full performance, without derating.

Safe & Reliable

- IP67 (Battery) / IP65 (PCS).
- Four-level¹ active and passive fire protection.

Efficient & Flexible

- Flexible cluster reduction, 2/4 Hours adaptable solutions.
- Flexible capacity expansion for large-scale applications.

User-Friendly

- All-in-one design, quick installation.
- Factory pre-commissioning to reduce on-site wiring errors.
- Auto-refill system, reducing maintenance time by 50%.

Contact Us

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¹Four-level fire protection includes smoke/temperature detection, aerosol, water suppression, and pressure relief.

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Technical Specifications

Model	IA-1488kW/2980kWh -DA10	IA-1302 kW/2600kWh -DA10	IA-1116 kW/2230kWh -DA10	IA-930 kW/1860kWh -DA10	IA-744 kW/1490kWh -DA10	IA-744 kW/2980 kWh-DA10
Battery						
Battery Type	LFP , 3.2 V / 280 Ah					
Battery PACK Configuration	1P*52S					
Battery Capacity	2981 kWh (46.59 kWh * 8 * 8)	2609 kWh (46.59 kWh * 8 * 7)	2236 kWh (46.59 kWh * 8 * 6)	1863 kWh (46.59 kWh * 8 * 5)	1490 kWh (46.59 kWh * 8 * 4)	2981 kWh (46.59 kWh * 8 * 8)
Rated Battery Voltage / Voltage Range	1331.2 V / 1164.8..1497.6 V					
Max. Charging/ Discharging Current	140 A*8	140 A*7	140 A*6	140 A*5	140 A*4	140 A*4
Max. Charging/ Discharging Power	1456 kW /1528 kW	1274 kW /1337 kW	1092 kW / 1146 kW	910 kW / 955 kW	728 kW / 764 kW	728 kW / 764 kW
AC Parameters (On-grid)						
Rated Output Power	186 kW*8	186 kW*7	186 kW*6	186 kW*5	186 kW*4	186 kW*4
Rated Voltage	3W+PE, 690 V					
Voltage Range	587..759 V					
Rated Output Current	1245 A	1089 A	933 A	778 A	622 A	622 A
Rated Frequency	50/60 Hz					
Total Harmonic Distortion (THDi)	< 3%					
Power Factor	-1..+1					
General Data						
Dimensions (W*D*H)	6058*2438*2896 mm					
Weight	~ 32 t	~ 28.4 t	~ 24.8 t	~ 21.2 t	~ 17.6 t	~ 32 t
Operating Temperature Range	-25°C...+60°C (derating @ > 50°C)					
Relative Humidity	0..95% (Non-condensing)					
Altitude	≤ 3000 m (derating @ > 2000 m)					
Cooling	Smart Air Cooling (PCS) Liquid Cooling (Battery)					
Noise	< 75 dB					
Ingress Protection	IP55					
Firefighting	Smoke Detector, Heat Detector, Alarm Sounder, Aersol, Sprinkler, Flammable Gas Detector, Vent Plate					
Communication	Ethernet					
Installation	Floor-standing					
Standard ¹	IEC62619, IEC63056, IEC62477, IEC61000, UN38.3, EN50549-1, EN50549-2, EN50549-10					

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