

UTILITY SCALE

Titan

5 MWh-class energy storage container



Product illustration. Final equipment configuration is subject to confirmation.

Featured power

2.5 MW

Nominal energy

5.016 MWh

System efficiency

≥95%

Large-scale capacity

Containerized LFP storage for industrial parks, data centers and high-load sites. Multiple units support larger systems.

Coordinated controls

Integrated EMS, BMS, temperature control and fire protection. Supports coordination with solar, wind and diesel generation.

Operational flexibility

Four-quadrant operation, remote monitoring and capacity for applications such as peak shaving, arbitrage and grid services.

APPLICATIONS

Energy arbitrage · Peak shaving · Microgrids · Solar canopies & EV charging

Titan

XC-LCC/5016 / Technical specifications

ELECTRICAL & BATTERY	
Product model	XC-LCC/5016
Rated capacity / power	5.016 MWh / 2.5 MW (power from source overview)
Chemistry	Lithium iron phosphate (LFP)
Cycle life	8,000 cycles (90% DoD, 25°C, 70% end-of-life capacity)
Nominal DC voltage	1,331.2 V
DC voltage range	1,164.8-1,697.6 V
Maximum DC current	1,440 A
Charge-discharge / mode	0.5C / constant power (CP)
System efficiency	≥95% under rated temperature and humidity conditions
INTEGRATION & PROTECTION	
Cooling	Water cooling
Fire protection	Water fire protection + optional carbon dioxide extinguishing
Communication interface	PCS-CAN / Modbus / Ethernet
Communication protocol	PCS-CAN 2.0 / Modbus RTU / ICE61850 (source spelling)
Protection / corrosion	IP55 / C4; C5 optional
SITE REQUIREMENTS	
Operating temperature	-30°C to 55°C
Humidity	<50% RH, non-condensing (as stated in source)
Altitude	≤4,000 m
Noise	≤75 dB at 1 m
Dimensions (W × D × H)	2,550 × 6,300 × 2,896 mm
Weight	Approx. 45 t
COMMERCIAL & STANDARDS	
Warranty in overview	10 years, subject to contract confirmation
Standard in specification table	IEC 62619

SOURCE & CONFIGURATION NOTES

The original markets a 5 MWh-class system and specifies 5.016 MWh nominal energy. Cycle conditions follow its technical table; the overview uses a different retention statement. Confirm the stated humidity limit, protocol spelling, warranty and final system configuration with the supplier.