

Container & Cabinet ESS

Titan 418 kWh – 5 MWh



The Titan series comprises megawatt-class containerized and cabinet energy storage systems with liquid cooling, LFP batteries, and full grid integration. From 418 kWh cabinets with 690V / 800V variants, through 1 MW all-in-one containers, to DC battery packs up to 5 MWh — solutions for PV farms, MV networks, and critical infrastructure.

Key parameters

418 kWh – 5 MWh Capacity range	100 kW – 2.5 MW Power range
Liquid cooling Cooling	≥89% Round-trip efficiency
IP54 / IP55 Protection	≥ 8 000 Cycle life

Product features

- Liquid cooling:** precise thermal management at PACK level.
- Megawatt scale:** from 418 kWh to 5 MWh per unit, unlimited scalability.
- Voltage variants:** 400V / 690V / 800V — standard for PV farms and industry.
- Plug & Play:** 20' containers ready for transport and connection.

Titan 215/418

All-in-one cabinet 418 kWh — 400V / 690V / 800V

Parameter	Titan 215/418
	(battery + inverter)

Parameter	Titan 215/418
Cell type	LFP 314Ah
Usable capacity	418 kWh
Rated AC power	100 – 215 kW
AC voltage	400V / 690V / 800V
Rated DC voltage	1331.2 V
DC voltage range	1164.8 – 1497.6 V
System efficiency	89%
Protection rating	IP55
Cooling system	Liquid cooling + forced air
Fire suppression	Aerosol
Noise level	≤ 80 dB
Operating temperature	-25°C to +55°C
Dimensions	1500 × 1350 × 2400 mm
Weight	3 800 kg
Communication	Modbus TCP/IP
Cycle life	≥ 8 000 (100% DoD)
Scalability	Modular — parallel expansion
Grid code	EN50549-1/-2, PN-EN-50549-1/-2
Certificates	UN38.3, IEC62619, IEC63056, IEC62477-1

Voltage variant comparison

	A40 (400V)	A69 (690V)	A80 (800V)
Rated AC power	100 kW	215 kW	215 kW
AC voltage	400 V	690 V	800 V
Frequency	50 Hz / 60 Hz		
Power factor	0.99 / -1 ~ +1		

Titan 1 MW / 2.17 MWh

All-in-one container — battery + inverter

Parameter	Titan 1 MW / 2.17 MWh
System type	Containerized all-in-one system (battery + inverter)
Usable capacity	2 170 kWh
Rated AC power	1000 kW

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Parameter	Titan 1 MW / 2.17 MWh
AC voltage	400V
Rated DC voltage	1500 V
Construction	20' container — integrated, transportable
System efficiency	≥ 90%
Protection rating	IP54
Cooling system	Liquid cooling
Operating temperature	-20°C to +50°C
Dimensions	6058 × 2438 × 2591 mm
Scalability	Unlimited
Warranty	10 years / 8000 cycles
Certificates	CE, UL, NC RfG

Titan DC — 3.04 / 3.85 / 5.00 MWh

DC containerized battery packs (no inverter)

Parameter	Titan 3.04 MWh	Titan 3.85 MWh	Titan 5.00 MWh
System type	Containerized battery pack (no inverter)		
Cell type	LFP	LFP 314Ah	LFP 314Ah
Usable capacity	3 044 kWh	3 850 kWh	5 016 kWh
Rated AC power	from 1 MW	2 MW	2.5 MW
Inverter compatibility	1 MW – 2.5 MW / container		
Rated DC voltage	1500 V	1228.8 V	1331.2 V
DC voltage range	—	1075.2 – 1382.4 V	1164.8 – 1497.6 V
Construction	20' container — integrated, transportable		
System efficiency	≥ 95%	>89%	>89%
Protection rating	IP54	IP55	IP55
Cooling system	Liquid cooling		
Operating temperature	-20°C to +50°C		
Dimensions	6058 × 2438 × 2591 mm		
Weight	~30 t	36 000 kg	43 000 kg
Noise level	—	<75 dB (1 m)	
Communication	—	LAN, CAN, RS485 / Modbus TCP	
Scalability	Unlimited		
Warranty	10 years / 8000 cycles		

[Przejdź do treści głównej \(#main-content\)](#)

Parameter	Titan 3.04 MWh	Titan 3.85 MWh	Titan 5.00 MWh
Certificates	CE, UL, NC RfG	CE, UL, NC RfG, IEC 62619, UL 9540A	

AISS — distribution and technical support.

aiess.pl · Enquiry: kontakt@aiess.pl