



**e.storage**

UTILITY SCALE





# TAB – POWERING THE FUTURE WITH INNOVATION & RELIABILITY

With over **60 years** of expertise, **TAB is a globally recognized leader in energy storage solutions**, specializing in high-performance lead-acid and lithium-ion batteries.

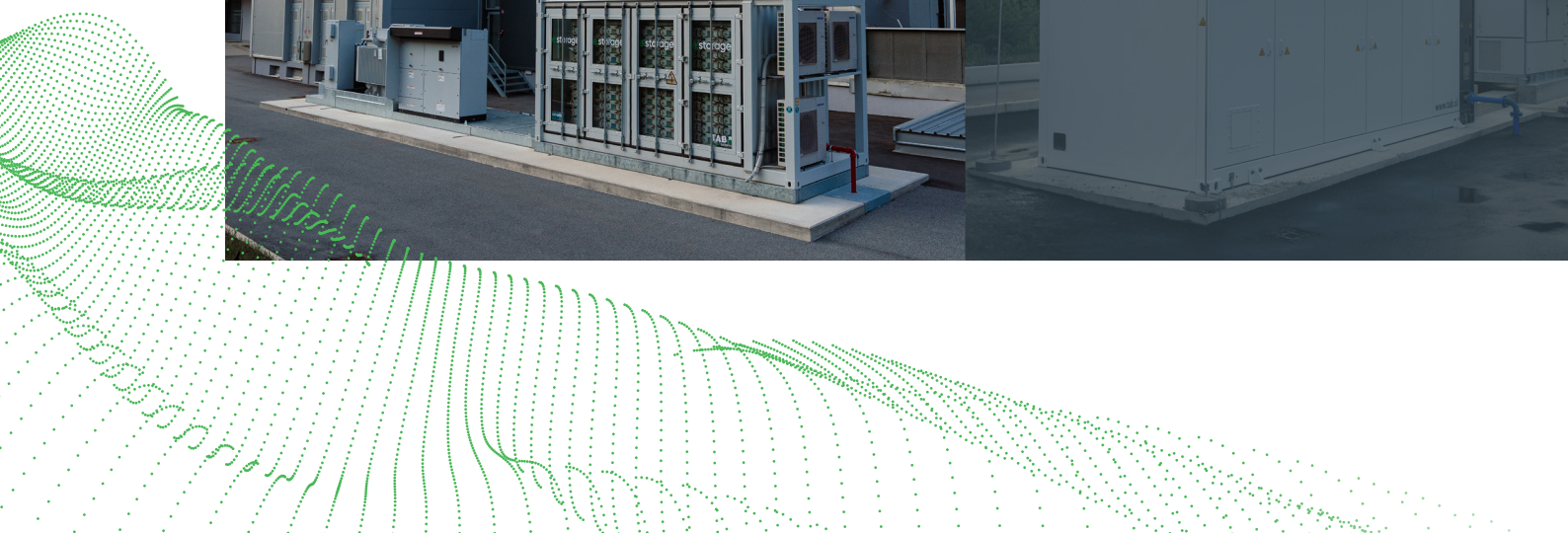
Worldwide known for our durability, innovation and performance, TAB provides battery solutions for a wide range of applications including automotive, commercial and industrial vehicles, as well as advanced Energy Storage Systems.

With **1,700+ employees**, operations in **12+ countries**, and **4 advanced manufacturing facilities**, TAB stands among Europe's top battery manufacturers.

TAB partners with global leaders in the utility-scale BESS industry to design and manufacture competitive energy storage containers. Built to the highest quality, safety and certification standards, our solutions combine proven LFP technology with robust system integration for demanding utility-scale applications.

With its expertise, TAB is committed to **contributing to the green transition**. Our innovative Battery Energy Storage Systems boost **energy independence** and accelerate the shift toward a more **sustainable, low-carbon future**.

From manufacturing and global distribution to expert after-sales service, **TAB is your trusted partner in energy solutions**.



## TAB E.STORAGE

Reliable, efficient, and scalable—TAB's high-voltage energy storage solutions leverage premium LFP technology for utility-scale applications. Designed for maximum safety, long lifespan, and high performance, our systems ensure seamless energy management and optimized energy storage.

- Standard 20ft size for easy transportation.
- 3 different capacities: 4180kWh, 5015kWh and 6250kWh.
- Integrated high-performance liquid cooling system capable of ensuring  $<3^{\circ}\text{C}$  temperature difference between cells. Designed to maximize energy density and reduce cost/kWh.
- Top level passive and active safety measures and certified with the highest international standards.
- Long lifespan  $> 25$  years.
- Compatible with major PCS & EMS manufacturers.
- Easy operation and maintenance.

### Usage

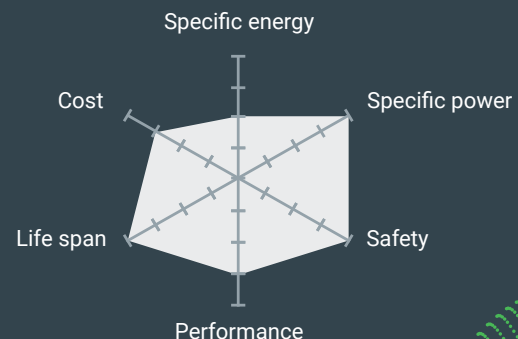
- Large C&I systems
- Hybrid renewable energy power plants
- Stand-alone systems for ancillary services
- Black-start applications

### TECHNOLOGY



#### LFP – LITHIUM IRON PHOSPHATE (LiFePO<sub>4</sub>)

- Good thermal stability
- Long cycle life
- High power rating
- Safe





# TAB e.storage I4180 ESS

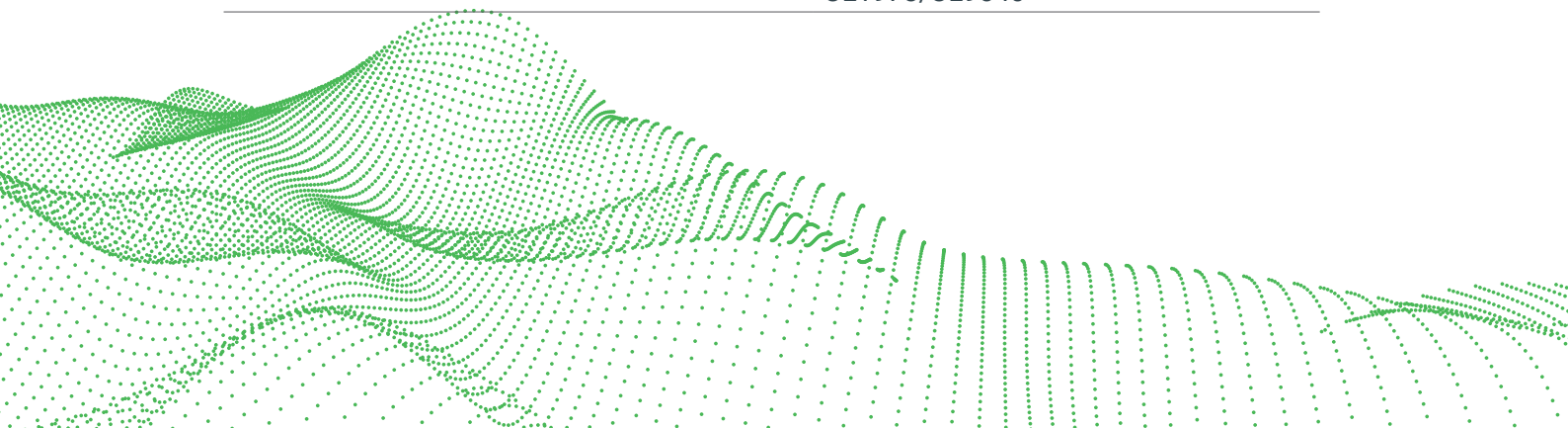


## SPECIFICATIONS

### Basic Parameters

### I4180

Nominal Voltage (Vdc)	1331.2
Nominal Capacity (kWh)	4179.96
Voltage Range (VDC)	1040 - 1500
Nominal Current (A)	1570
Communication port	RS485, Ethernet
Communication protocol	Modbus TCP, Modbus RTU, CAN
Dimension (WxDxH, mm)	6058x2438x2896
Weight (kg)	35000
Ambient Temperature (°C)	-30 ~ 55
Altitude (m)	≤4000
IP Rating	IP55
Thermal management	Liquid Cooling
Fire detection system	Smoke, temperature, H2 and CO
Fire suppression system	Condensed aerosol, emergency water sprinklers, explosion fan
Corrosion protection level	C5-M
Noise	<80dB at 1 meter
Certification	UN38.3/IEC6219/UL9540A/ UL1973/UL9540



# TAB e.storage I5015 ESS



## SPECIFICATIONS

### Basic Parameters

### I5015

Nominal Voltage (Vdc)	1331.2
Nominal Capacity (kWh)	5015.96
Voltage Range (VDC)	1040 - 1500
Nominal Current (A)	1884
Communication port	RS485, Ethernet
Communication protocol	Modbus TCP, Modbus RTU, CAN
Dimension (WxDxH, mm)	6058x2438x2896
Weight (kg)	42000
Ambient Temperature (°C)	-30 ~ 55
Altitude (m)	≤4000
IP Rating	IP55
Thermal management	Liquid Cooling
Fire detection system	Smoke, temperature, H2 and CO
Fire suppression system	Condensed aerosol, emergency water sprinklers, explosion fan
Corrosion protection level	C5-M
Noise	<80dB at 1 meter
Certification	UN38.3/IEC6219/UL9540A/ UL1973/UL9540

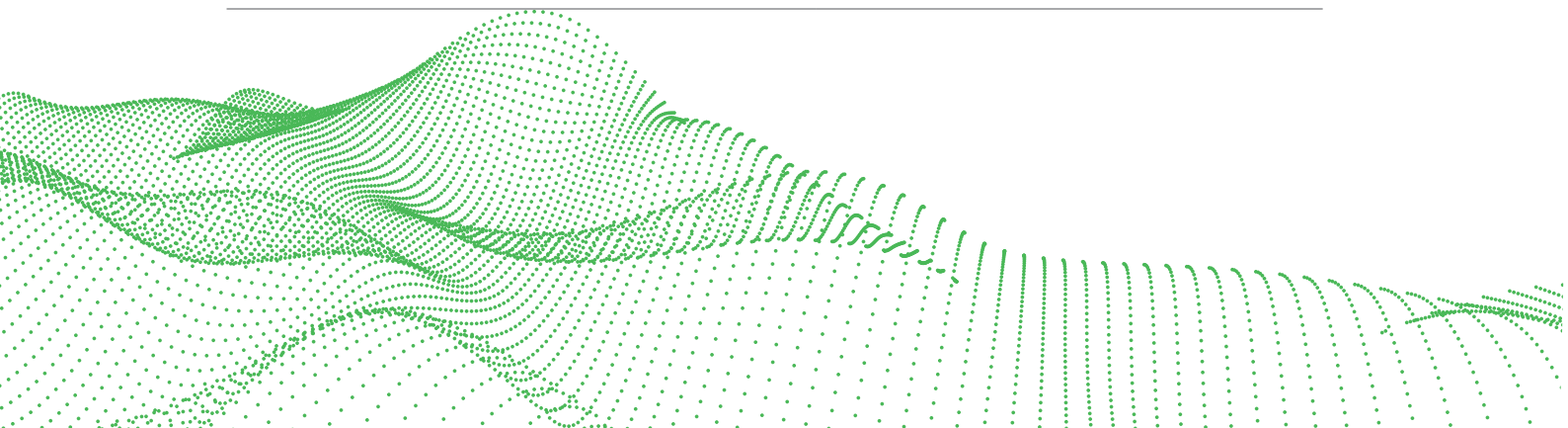


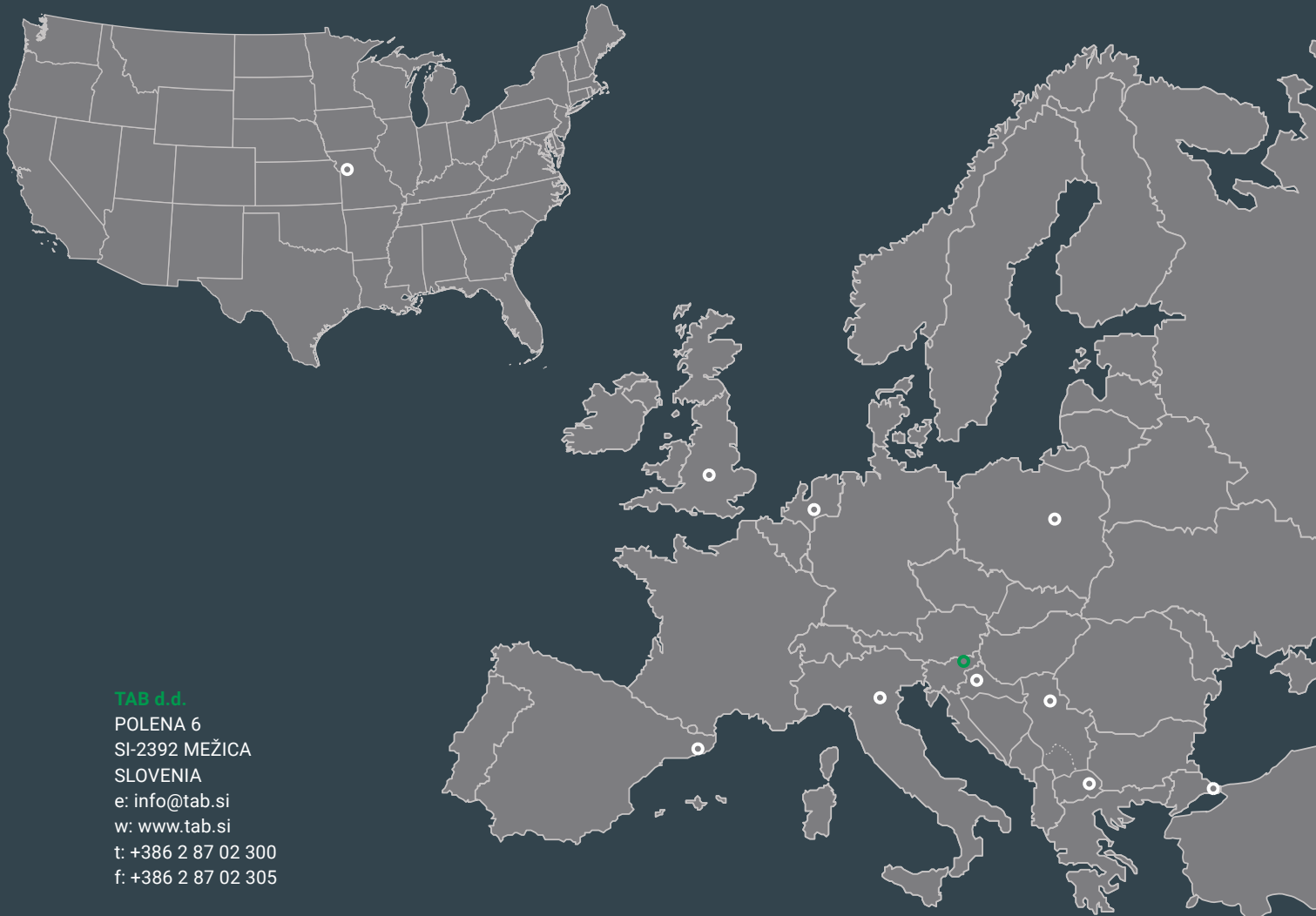
# TAB e.storage I6250 ESS



## SPECIFICATIONS

Basic Parameters	I6250
Nominal Voltage (Vdc)	1331.2
Nominal Capacity (kWh)	6250
Voltage Range (VDC)	1040 - 1500
Nominal Current (A)	2348
Communication port	RS485, Ethernet
Communication protocol	Modbus TCP, Modbus RTU, CAN
Dimension (WxDxH, mm)	6058x2438x2896
Weight (kg)	48000
Ambient Temperature (°C)	-30 ~ 55
Altitude (m)	≤4000
IP Rating	IP55
Thermal management	Liquid Cooling
Fire detection system	Smoke, temperature, H2 and CO
Fire suppression system	Condensed aerosol, emergency water sprinklers, explosion fan
Corrosion protection level	C5-M
Noise	<80dB at 1 meter
Certification	UN38.3/IEC6219/UL9540A/ UL1973/UL9540



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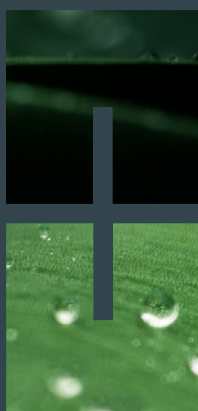
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