

INTILION

Clean energy for business, industry & grid infrastructure

With INTILION's CCI storage systems and large-scale storage systems





Our vision

Empowering the world for renewable energy

INTILION AG is a provider of innovative, highly scalable and integrable energy storage solutions (ESS) with a comprehensive range of services, primarily for use in commercial, industrial and grid applications. The company's lithium-ion-based ESS products have a storage capacity ranging from 70 kWh to 100 MWh. INTILION's portfolio of solutions and services is enabling the way to a decarbonised, flexible and digital energy sector. The company's customers include local, regional and international utilities and energy distributors, as well as system distributors and engineering, procurement and construction (EPC) contractors within Europe. INTILION AG is headquartered in Paderborn, Germany, and is part of the family-owned HOPPECKE Group, with a heritage of more than 95 years of expertise and engineering excellence in batteries.



Save time

Your One Stop Shop for energy storage systems, project management, installation and service.



Count on us

Over 15 years of lithium expertise incl. comprehensive tests allowing a proven track record of our systems.



Feel safe

Your safety is our daily mission – we integrate fire and lightning protection as well as cyber security.

Energy for every application

The right solution for any challenge

In any application, energy efficiency and the fast provision of power at the time of use are crucial. If the energy supply should also be sustainable, it makes sense to store energy from renewable sources and release it again when required. INTILION's energy storage units integrate into various applications and Energy Management Systems, thanks to their Open Modbus interface. Offering optimal storage solutions for every scenario, from 70 kWh to several MWh, INTILION ensures adaptability to diverse energy needs.

Front-of-the-meter

- ▶ Balancing mechanism
- ▶ Dynamic services
- ▶ Spot market: Intraday & Day ahead
- ▶ Integration of renewable energies

Behind-the-meter

- ▶ Self-consumption optimisation
- ▶ Peak shaving
- ▶ EV charging
- ▶ Backup power



	INTILION scalebloc	INTILION scalestac	INTILION scalecube
General data			
Energy content (nom.)	73 kWh up to 1,170 kWh	152-616 kWh up to 1,200 kWh	From 1 MWh
Power	25, 50 or 73 kVA	25-400 kVA	From 1 MVA
Installation possible	Indoors and outdoors	Indoors	Outdoors
Description	Turnkey all-in-one system including battery modules, inverter and Open Modbus interface		Scalable all-in-one large-scale storage system as container or skid solution including system management
Fire protection	✓		✓
Service portfolio	Load curve analysis with subsequent system design, delivery of the storage and after-sales service concept		Individual system design and Project planning, delivery of the storage system, converter, and transformer. On-site installation, commissioning, and after-sales service concept
Performance Guarantee	10 years		3 years (optional: 10 years)

Advantages of our energy solutions

Thanks to our all-in-one and intrinsically safe systems, there's nothing you need to worry about.



All-in-one solution

Holistic system approach consisting of battery, inverter, and intelligent system management.



Connectivity

Continuous monitoring of system data through INTILION Cloud.



Cyber & data security

Providing state-of-the-art cybersecurity with market-leading security services for our cloud architecture.



Protection of environment

In the event of an accident, electrolyte cannot leak nor enter the ground or wastewater due to extinguishing systems.



Open Modbus interface

Flexibility is enhanced with our Open Modbus interface, enabling integration into various Energy Management Systems



Smart system control

Operating and monitoring of the entire system incl. battery and converter as well as other system-relevant components.



Safety first: fire protection system

The Fire Limiter & Environmental Protection System (FLEPS) is used to effectively avoid a propagation of the thermal runaway to other modules



End-to-end fulfilment & service

We support your projects

Concept & design

- ▶ Tailor-made solution for the respective use case and circumstances
- ▶ Design of the battery system including inverters, transformers and switch gear
- ▶ Planning of safety and service concepts
- ▶ Planning of control and regulation structures for the required applications

Operation & maintenance

- ▶ Comprehensive service concept adapted for the respective requirements and use cases
- ▶ Continuously monitoring of all storage systems through our self-developed cloud management system
- ▶ Reliable operation through preventive maintenance

Installation & commissioning

- ▶ Planning of delivery and installation of the battery storage
- ▶ Installation and cabling of the battery systems including the associated components
- ▶ Holistic commissioning of the system
- ▶ Integration of the grid control system for regulating and monitoring the energy flow

Additional services & analytics

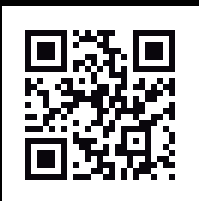
- ▶ Spare parts management with our suppliers and warehouse location
- ▶ Quick exchange of various components in case of need
- ▶ Regularly optimisation of the plant performance through continuous data analysis

Our partners and customers in UK

Explore how regional experts rely on INTILION products



INTILION



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All information in this brochure are based on the current status of technology. Our products are subject to continuous further development, therefore we reserve the right to make changes. All illustrations similar.