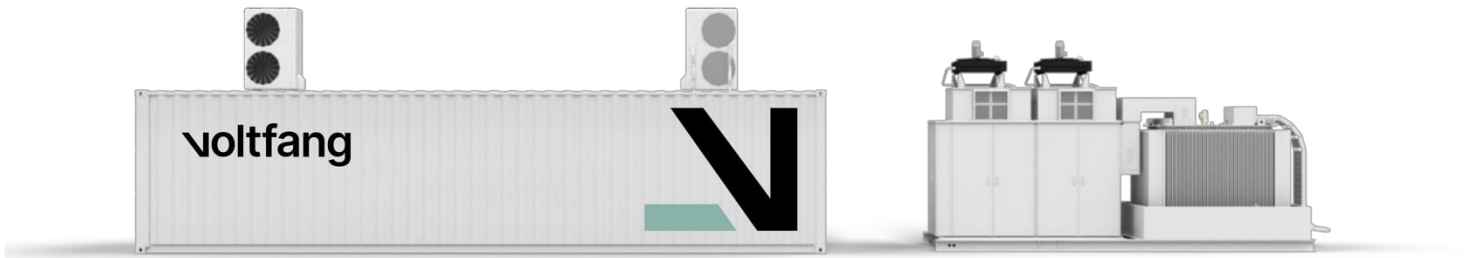


Voltfang 2 Plus GS

Energy that pays off.



Per container: Capacity up to 6.35 MWh | Output up to 2.6 MW

Clear advantages

- Cost-efficient and powerful solution for **energy trading and grid services** such as primary and secondary control power with customized interfaces for connecting external marketers
- **Modular system design** with up to **4 individual battery blocks and inverter units** ensures maximum reliability
- **Scaling in the MWh range** in a small space thanks to high energy density
- **2h storage design:** Optimal for market and grid-related applications
- **Flexible adaptation to customer project requirements**, e.g., battery or charging parks
- With Batteryflat: **10-year capacity and 8,000 charging cycle warranty**

Reliable and cost-effective energy storage

The Voltfang2 Plus GS is an innovative and sustainable battery storage container that sets new standards in reliability, cost efficiency, and sustainability. With integrated redundancy, it ensures uninterrupted power supply. Comprehensive monitoring of each individual battery cell guarantees high availability and safety by detecting potential faults early and enabling timely countermeasures.

Whether for market- or grid-related applications, or as part of a sustainable energy supply, the Voltfang2 Plus GS reliably delivers the required energy. Through a standardized marketing interface, it also enables profitable energy trading and provides services for grid stabilization.

As a scalable grid-scale solution, the Voltfang2 Plus GS combines climate control, inverter, low-voltage distribution (NSUV), and optionally a medium-voltage transformer and medium-voltage switchgear in a single system.

Technology

- New second generation of our battery system with enhanced performance
- Use of powerful and robust central inverters
- Maximum safety and availability through cell-level remote monitoring
- Highly efficient climate control for optimal operating temperatures year-round
- Flexible and rapid deployment of battery parks thanks to container-based solutions
- Use of requalified EV batteries from German automotive manufacturers for CO₂ reduction

Technical data

Voltfang 2 Plus GS		20 ft container	40 ft container
System	Gross battery capacity	3.178 MWh per container	6.356 MWh per container
	Usable battery capacity (@90% DoD / @ 80% DoD)	2.86 MWh / 2.54 MWh per container	5.72 MWh / 5.08 MWh per container
	Nominal power	1.2 MW / 1.3 MW	2.4 MW / 2.6 MW
	Charging/discharging rate	Up to 0.51 C	
	Mains connection	3-phase, AC plug, 330VAC / 360VAC	
	LV/MV transformer (optional)	10kV/20kV/30kV	
	Communication	Modbus-TCP/IP (Ethernet)	
	Weight	25 t	45 t
	Dimensions (W/H/D)	3,000 / 5,500 / 7,800 mm	3,000 / 5,500 / 13,800 mm
Battery	Nominal voltage	800 V	
	Battery	High-performance batteries in accordance with automotive standards from European premium manufacturers	
	Cell technology	Lithium-ion (NMC)	
	Battery efficiency	98.26% (charging/discharging)	
	Expected service life	15–20 years	
Inverter	Inverter	WSTECH APS Series	
	Rated power	2 x 600 kVA / 2 x 650 kVA	4 x 600 kVA / 4 x 650 kVA
	Efficiency	98	
Product	Installation location	Outdoors (5 m distance to the nearest building)	
	Ambient	-20 to 50 °C	
	Height of installation site	< 2000 m above sea level	
	Protection class	Protection according to IP 56	
	Warranty	System: 5 years Capacity: 5 years Extendable to 10 years & 8000 cycles with Batteryflat	
	Guidelines and certificates	CE, UN 38.3	
	Delivery	By arrangement	

The data provided is subject to change without notice.
Please contact Voltfang for the latest information.