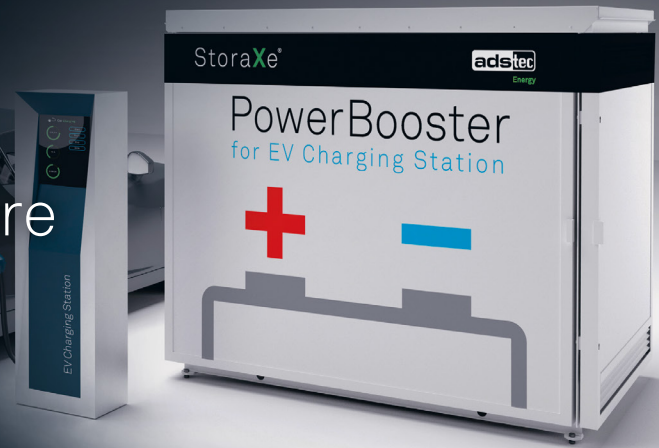


# StoraXe® Storage systems for industry and infrastructure PowerBooster

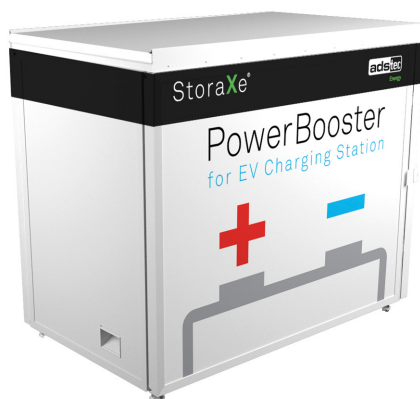


## StoraXe® Industrial & Infrastructure PowerBooster

With the PowerBooster battery storage system, ADS-TEC offers grid services in the industrial and infrastructure sector and delivers, for example, high capacities for fast-charging stations on limited-power network connections. Storage system capacities in the standard configurations cover bandwidths of 120 to 240 kWh.

## HIGHLIGHTS

- Outdoor installation directly at the location of use
- Compact design, easy to transport
- High performance (up to 280 kW)



PowerBooster GSS1212

## Big-LinX® Energy The cloud solution for decentral energy systems

- Global access to any energy storage system
- »State of the art« security (software and hardware certificates with crypto smart card)

## StoraXe® PowerBooster The compact storage system in distribution networks

- Integrated inverter, climate control, energy management unit, security/firewall and communication unit via mobile connection
- Direct AC connection to distribution grids at 400 V level
- Fast integration

## Areas of application

- Provision of power for multiple fast-charging stations
- High Power Charging (HPC) is enabled without network extension
- Local physical grid services such as peak shaving, reactive power, etc.
- Central district alternative to individual home storage systems for the optimisation of individual consumption

## Options

- Control and energy management platform for individual integration
- Individual services and »performance warranty« over long periods

# PowerBooster

## Technical Data

		GSS1212	GSS2824
<b>System</b>	System type	AC container storage system	
	Control / functions	ADS-TEC Energy apps	
	Network connection	Ethernet, RJ45	
	Inverter	Integrated	
<b>Grid connection</b>	Effective power	100 kW	280 kW
	Apparent power	120 kVA	280 kVA
	Emergency power / black start	Optional / optional	Optional / optional
	Mains voltage	400 VAC	400 VAC
	Grid type	3-phase, TN	3-phase, TN
	Grid frequency	50 Hz	50 Hz
<b>Battery storage system</b>	Battery technology	Lithium-ion	Lithium-ion
	Nominal energy content	122.2 kWh	244.4 kWh
	Capacity	159 Ah	318 Ah
<b>Battery cells<sup>1</sup></b>	Cell manufacturer	SK Innovation	
	Cell capacity	53 Ah	
	Cell chemistry	Lithium-NMC	
	Specified cycles	13,000 (2C/2C @ 23° C @ 80% DOD)	
	Expected life cycle	20 years	
<b>General data</b>	Installation location	Outdoors, integrated climate control	Outdoors, integrated climate control
	Temperature range	-20 to 50 °C	-20 to 50 °C
	Humidity	< 90 %, Non-condensing	< 90 %, Non-condensing
	Protection class		
	battery room	IP64	IP64
	casing	IP44	IP44
	Dimensions L x W x H	1,880 x 1,770 x 2,320 mm	2,740 x 1,650 x 2,320 mm
	Weight	Approx. 5.5 t	Approx. 7.8 t
	Guarantee of current market value (battery cells)	Up to 10 years	Up to 10 years
<b>Standards</b>	<b>EU harmonized standards:</b>	EN 50272-1: 2010, EN 50581: 2012	
	<b>Additionally compliant with regulations / application rules:</b>	VDE-AR-E-2510-2, VDE-AR-N-4105 (only in connection with the declaration of conformity for the Inverters BAT0100 from WStech), UN 38.3 (at battery module level)	

<sup>1</sup> Information according to data sheet provided by the cell manufacturer

### StoraXe® battery storage solutions **Technology for Professionals**

- Individual design and planning by ADS-TEC specialists
- Speak with us – together we can specify your solution

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