

StoraXe® Storage systems for industry and infrastructure PowerBooster



StoraXe® Industrial & Infrastructure PowerBooster

With its 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



PowerBooster

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
- Control and battery monitoring
- OSGi™ platform for your own programme extensions
- Interfaces to SCADA and HOST systems of energy supply and facility management systems

StoraXe® PowerBooster The compact storage system in distribution networks

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

Areas of application

- Provision of power for fast-charging stations
- High Power Charging (HPC)
- Local physical grid services such as peak capping, frequency regulation, dynamic flexibility yield, reactive power, etc.
- District alternative to individual home storage systems for the optimisation of individual consumption
- Networking of decentralised units to form powerful clusters

Options

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



Energy Storage

PowerBooster

Technical data

		GSS1212	GSS2824
System	System type	AC container storage system	
	Control / functions	ADS-TEC master interface or ADS-TEC energy apps	
	Network connection	Ethernet, RJ45	
	Inverter	integrated	
Grid connection	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-phases, TN	3-phases, TN
	Grid frequency	50 Hz	50 Hz
Battery storage system	Battery technology	Lithium-ion	Lithium-ion
	Nominal energy content	120.7 kWh	241.4 kWh
	Capacity	159 Ah	159 Ah
Battery cells¹	Cell manufacturer	SK innovation	
	Cell capacity	53 Ah	
	Cell chemistry	Lithium-NMC	
	Specified cycles up to 80% of residual capacity	13,000 (2C/2C at 23 °C with 80 % DOD)	
	Expected life cycle	20 years	
General data	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

Standards

Safety (functional and electrical): EN 50272-1:2010; EN 50581:2012
Transport: UN38.3 transport directive for lithium batteries
Grid directive: VDE-AR-E-2510-2, VDE-AR-N-4105

¹ Information according to data sheet provided by the cell manufacturer

StoraXe® We would be happy to advise you

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

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