

StoraXe® Commercial & Industrial Scalable battery storage system



StoraXe® Commercial & Industrial Battery storage and systems

The StoraXe® Commercial & Industrial product portfolio addresses the area of larger systems and infrastructures. Power and storage capacities cover ranges of 50 kW/54 kWh up into the multiple MW/MWh range.

HIGHLIGHTS

- At ADS-TEC, safety has top priority at all levels of battery technology
- Optimised and safe cell-technology from cell manufacturers
- Specially developed cell temperature control for consistently high currents and a long service life
- Designed for professional stationary use
- Long-term high energy and power densities
- Exceptional efficiency factor and high efficiency
- Particularly stable charging cycle and long service life



Storage Rack System SRS0054

StoraXe® Industrial & Infrastructure Battery system and system options

- Consists of numerous parallel battery systems as individual »battery string« or alternatively as a »battery cluster« for high energy quantities
- Delivery as a DC battery system with MODBUS-TCP interface for operation on any inverter

Options

- Battery system with power electronics (inverter)
- Control and energy management platform for individual integration
- Services and »performance warranty« over long periods

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

- Global access to any battery storage system
- »State of the art« security, software and hardware certificates (crypto smart card)
- Control and battery monitoring

SRS0054 / SRS0112

Technical Data

		SRS0054	SRS0112
System	System type	DC battery storage system	
	Control / functions	ADS-TEC slave interface, others on request	
	Network connection	Ethernet, RJ45	
	Inverter	Not integrated, compatible devices on request	
Battery storage system	Battery technology	Lithium-ion	Lithium-ion
	Nominal energy content	54.1 kWh	112.8 kWh
	Capacity	68 Ah	159 Ah
	Operating voltage range	724.7 to 878.7 V	606.7 to 796.8 V
	Charge DC current (continuous)	163.0 A	300.0 A
	Discharge DC current (continuous)	200.0 A	300.0 A
	Battery cells¹	Cell capacity	68 Ah
Cell chemistry		Lithium-NMC	Lithium-NMC
Specified cycles		9,000 (25 °C, 1C/1C, DoD 90 %, EoL 80 %)	13,000 (2C/2C @ 23°C @ 80% DOD)
General data	Installation location	Indoors	Indoors
	Temperature range	10 to 30 °C	10 to 30 °C
	Humidity	< 90%, non-condensing	< 90%, non-condensing
	Protection class		
	Rack	IP20	IP20
	Cabinet	IP43	IP43
	Dimensions W x H x D		
	Rack	1,050 x 2,370 x 750 mm	1,050 x 2,370 x 750 mm
	Cabinet	1,200 x 1,800 x 750 mm	1,800 x 1,800 x 750 mm
	Weight		
	Rack	Approx. 750 kg	Approx. 1,500 kg
Cabinet	Approx. 840 kg	Approx. 1,650 kg	
Guarantee of current market value (battery cells)	up to 10 years	up to 10 years	

Standards

List of the harmonized standards used:

EN 61000-6-4:2007 + A1:2011, EN 61000-6-2:2005 + Cor.:2011, EN 50272-1:2010, EN 63000-2019

List of the regulations, standards and applications used:

UN Transport of dangerous goods, Chapter 38.3, Rev. 7: 2019 (applicable to battery module), IEC62619: 2017

¹ 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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