



AXIstorage Li 7S



High-performance lithium-ions-energy storage for residential, e-mobility and commercial applications

Advantages:



5,4 kWh useable capacity



Flexible configuration: up to max. 777 kWh Off-Grid up to max. 259 kWh On-Grid



Permanent charging performance of up to 5 kW (90 A) Permanent discharge performance of up to 8,3 kW (150 A)



Up to 20 years of life time due to an optimized cooling system



10 years of time value replacement warranty



3 units stackable



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Electrical Data

SMA

Nominal Capacity 6,8 kWh

Useable Capacity 5,4 kWh

Nominal Voltage 55,5 V

Nominal Capacity 121,5 Ah

Charging Power up to 5 kW (90 A)

Discharging Power up to 8,3 kW (150 A) + 330 A Peak (for 1 sec.)

Efficiency up to 97% (at 25°C)

Cooling active fan

Range of Temperature 0 - 45°C

Max. Air Humidity (not condensing) 85%

BMS (Battery Management System) integrated

Mechanical Data

SMA

 Technology
 Lithium (NMC)

 H x W x D
 421 x 638 x 487 mm

 Weight
 95 kg

 Protection Category
 IP21

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Certifications and Standards: CE + UN38.3

Safety

- · Double wall housing
- · Elevated construction to protect against water damage
- Monitoring of current, voltage and temperature
- · Single cell monitoring
- State of charge determination and battery monitoring (SOC + SOH)
- Passive balancing

Included in Delivery

- 50 mm² connecting cable, length 2 m
- NH disconnect (without NH-fuse)
- Integrated communication interface CAN, CANopen, Mod Bus, RS232, RS485

Compatibility

• SMA Sunny Island: 4.4 / 6.0 / 8.0

Accessories for System Expansion

- · Master Unit for 2 to 12 storages used in parallel
- Optionally expandable with SMA Multicluster Box 6 / 12 / 36



