



AXIstorage Li 7S Made in Germany

High-performance lithium-ion-energy storage for residential and commercial applications

Advantages:



6,8 kWh capacity



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



Flexible configuration up to 82 kWh



10 years of time value replacement warranty



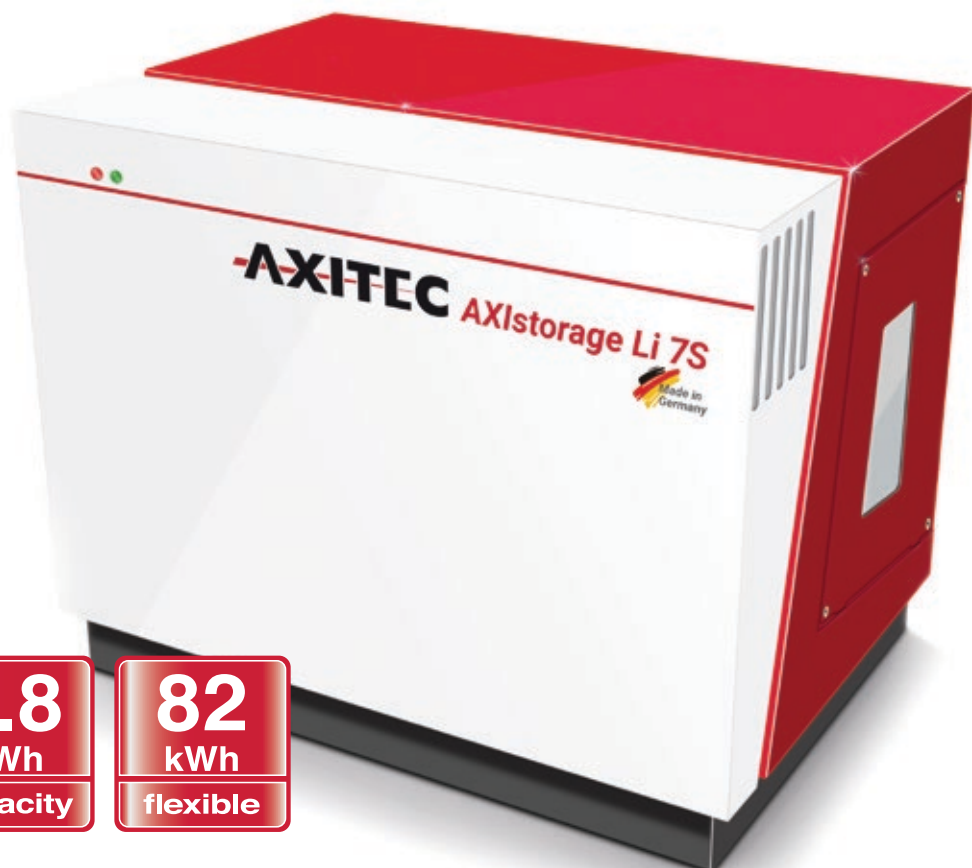
6.600 cycles due to high quality cell technology



3 units stackable



Permanent charging performance of up to 5 kW (90A)
Permanent discharge performance of up to 8.3 kW (150A)



6.600
charging
cycles

6.8
kWh
capacity

82
kWh
flexible

AXIstorage Li 7S

Electrical Data

	SMA
Energy storage capacity	6,8 kWh
Nominal Voltage	55,5 V
Nominal Capacity	121,5 Ah
Charging Power	up to 5 kW (90 A) + 150 A Peak (for 1 sec.)
Discharging Power	upt to 8,3 kW (150 A) + 330 A Peak (for 1 sec.)
DoD	ca. 80%
Life Time	up to 20 years (25°C, max. 6.600 cycles)
Complete Cycles	6.600 (temperature 25°C)
Efficiency	up to 97% (at 25°C)
Cooling	Active fan
Range of temperature	0 - 45°C
Max. Air humidity (not condensing)	85%
BMS (Batterie Management System)	integrated

Mechanical Data

	SMA
Technology	Lithium (NMC)
H x W x D	536 x 675 x 475 mm
Weight	98 kg
Protection Category	IP21
Certifications and standards:	IEC62897Ed1, DIN EN50272-1/2, 61427-1/2, 61508, 62281, 60950-1, 62619 (draft standard), 62620, 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, lenght 2 m
- NH disconnect
- Integrated communication interface CAN, CANopen, Mod Bus, RS232, RS485

Compatibility

- SMA Sunny Island: 3.0 / 4.4 / 6.0 / 8.0

Accessories

- Patch cable RJ45
- NH1 Fuse 80 - 200 A

Accessories for System expansion

- Master Unit for 2 to 12 storages used in parallel

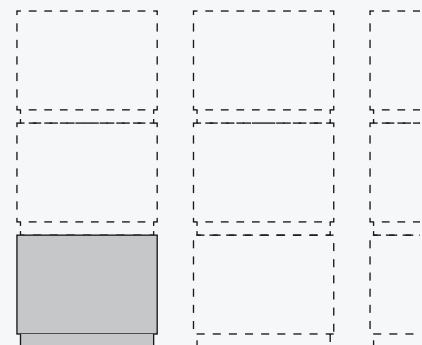
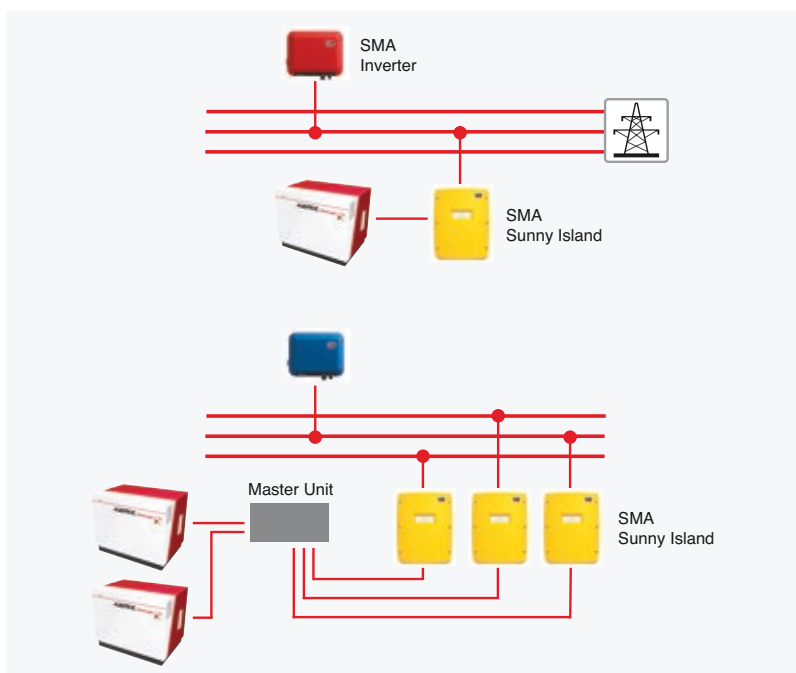


Fig. similar
flexibly expandable for 2 to 12 storages = 82 kWh