



## AXIstorage Li 7S Made in Germany

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

### Advantages:



6,8 kWh capacity



Flexible configuration up to 82 kWh



6.600 cycles due to high quality cell technology



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



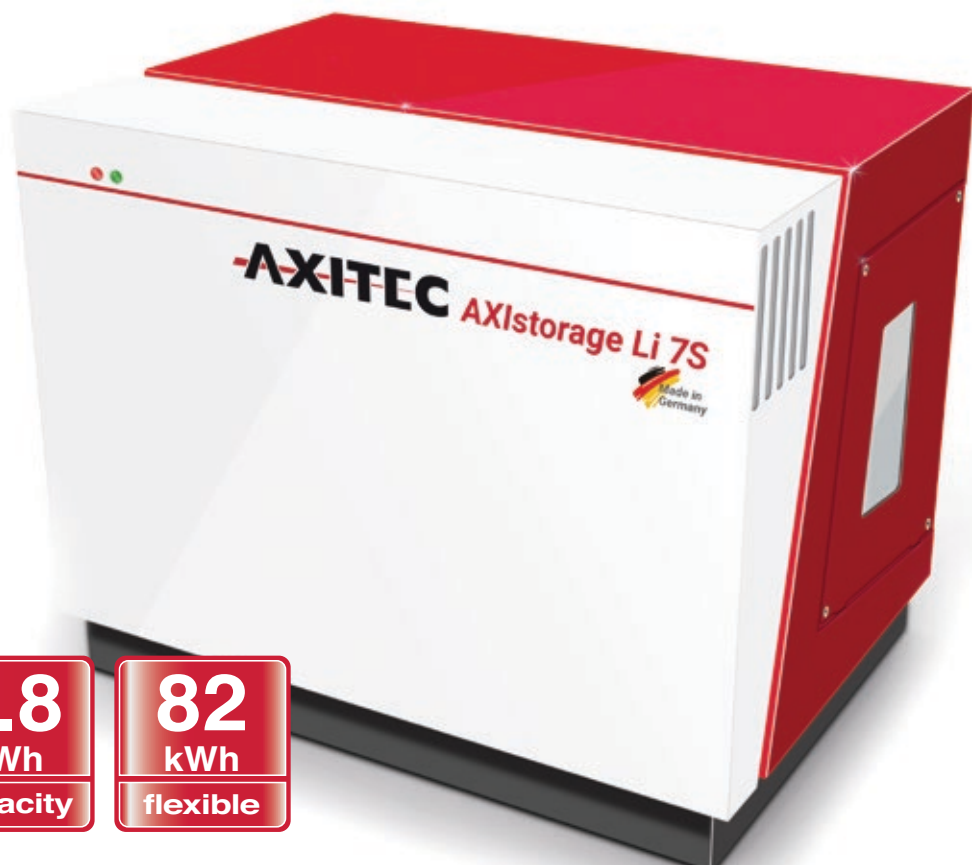
Up to 20 years of life time due to an optimized cooling system



7 years of time value replacement warranty



3 units stackable



**6.600**  
charging  
cycles

**6.8**  
kWh  
capacity

**82**  
kWh  
flexible

## AXIstorage Li 7S

Distributed by:



### Electrical Data

	SMA	Nedap
Energy storage capacity	6,8 kWh	6,3 kWh
Nominal Voltage	55,5 V	51,8 V
Nominal Capacity	121,5 Ah	
Charging Power	up to 5 kW (90 A) + 150 A Peak (for 1 sec.)	3,8 kW - 4,2 kW (75A)
Discharging Power	upt to 8,3 kW (150 A) + 330 A Peak (for 1 sec.)	up to 4,6 kW (100A)
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	
Temperaturbereich	0 - 45°C	
Max. Air humidity (not condensing)	85%	
BMS (Battey Management System)	integrated	

### Mechanical Data

	SMA	Nedap
Technology	Lithium (NMC)	
Dimensions H x W x D	536 x 675 x 475 mm	
Weight	98 kg	93 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 mm<sup>2</sup> 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
- Nedap PowerRouter: PR37Bi / PR50Bi / PR37Sbi / PR50Sbi

### Accessories

- Patch cable RJ45
- NH1 Fuse 80 - 200 A

### Accessories for System expansion

- Master unit for 2 to 12 storages used in parallel

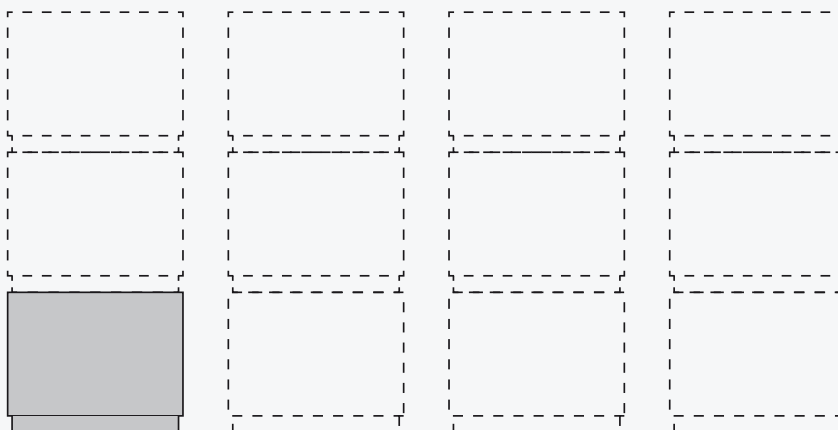


Fig. similar

flexibly expandable to 82 kWh