



## Next generation storage solution

# IBC SolStore Li

Modular system storage unit for increasing self-consumption

The lithium-based storage unit IBC SolStore Li combines innovative technology with optimum efficiency. The required storage capacity can be arranged flexibly with IBC SolStore 6.5 Li using its modular system. The storage unit produced in Germany is therefore suitable for both single and multi-family households and commercial businesses. Due to its combination of materials, the used cells have a particularly high thermal and mechanical stability. A high-quality metal housing also protects it against external influences. The modern battery management system ensures a trouble-free operation and maximum security.

### HIGHLIGHTS:

- ❑ More cost-effective: compared to similar lead-acid storage systems
- ❑ Customised: number of batteries can be selected according to customer requirements
- ❑ Flexible: modular design for use in new and existing systems
- ❑ Safe: proven cell technology combined with a 5-step security concept
- ❑ Durable: 5,000 cycles/15-year lifetime
- ❑ Quality: made in Germany
- ❑ Reliable: 10-year IBC guarantee

## TECHNICAL DATA

### IBC SolStore Li

Battery storage unit	IBC SolStore 6.5 Li	IBC SolStore 13.0 Li	IBC SolStore 19.5 Li	Customised:	
Suitable for a power consumption of up to (kWh per year)	approx. 4,000	approx. 8,000	approx. 12,000	approx. 14,000	
Suitable for an annual solar yield of (kWh per year)	approx. 4,500	approx. 9,000	approx. 13,500	approx. 15,000	
Manufacturer	IBC SOLAR				
Energy content (kWh)	6.5	13	19.5	Customised systems: number of batteries can be selected according to customer requirements	
Usable energy content in conjunction with Sunny Island inverters (kWh) (kWh)*	4.7	9.4	14.1		
Nominal capacity (Ah)	117	234	351		
Max. discharge/charging current (A)**	300	600	900		
Max. discharge/charging output (kW)**	11	22	33		
Nominal voltage (V)	55.5				
Expected life cycle (in years)***	>15				
Expected number of cycles***	5000				
Cell efficiency at 25 °C (%)	>95				
Cooling	Automatic				
Technology	Lithium (NMC/Graphit)				
Temperature range (°C)	2–40				
Optimum operating temperature (°C)	10–30				
Protection class	IP21				
H/W/D dimension (cm)	46 × 64 × 49	92 × 64 × 49	138 × 64 × 49		
Weight (kg)	95	2 × 95 = 190	3 × 95 = 285		
Expandability	Expandable	Expandable	Expandable		
Meets the following standards and guidelines	UN38.3, CE, DIN EN 50272-1/2, DIN EN 60950-1, DIN EN 61427-2 (Draft standard), DIN EN 61508, DIN EN 62281, DIN EN 62619 (Draft standard), DIN EN 62620, VDE-ST-Li-ESS-001:2013/03				
Item numbers					
Battery incl. battery cabinet	5200700002	2× 5200700002	3× 5200700002		
Extension set	–	5200700010 – 5200700012		5200700013	

\* Value dependent on SMA Sunny Island efficiency . See „SMA Sunny Island“ information sheet.

\*\* Value dependent on the chosen IBC SolStore Set. See „Overview of storage solutions“ information sheet.

\*\*\* at ambient temperature of 25 °C; 70 % remaining capacity.

Presented by:

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