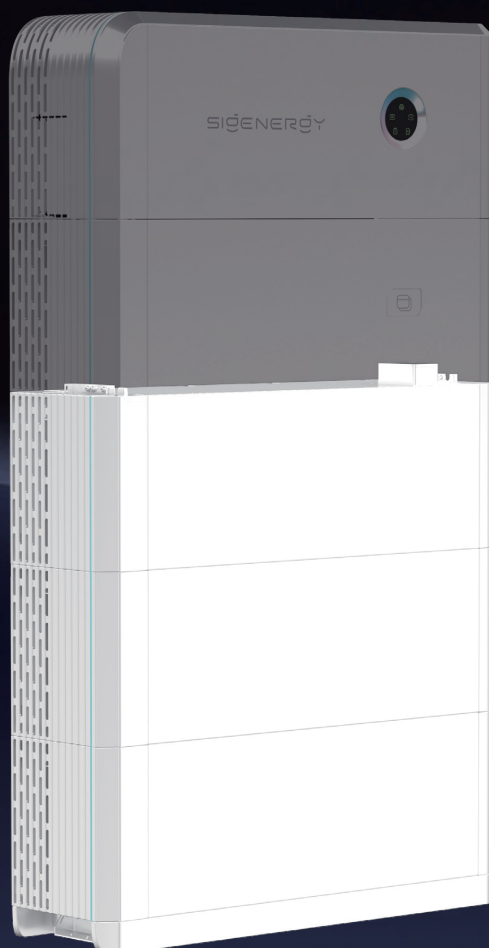


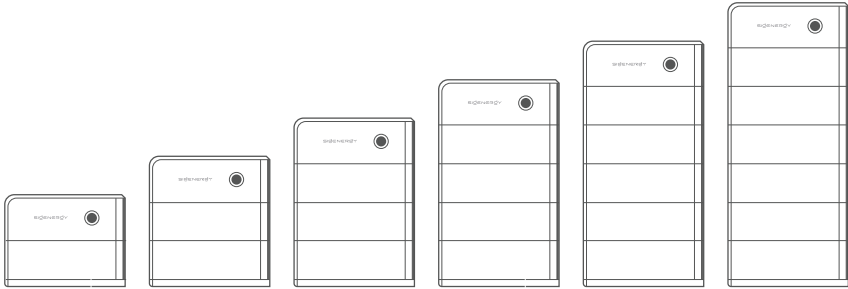
Sigen Battery



- Premium 280Ah cells with 10,000 cycles, long-lasting & reliable
- 5-layer battery safety protection to define the safety standard
- Battery optimizer inside, mix old and new, upgrade with ease
- Higher energy density, efficient storage, compact design
- 100% depth of discharge, maximum energy utilization

Sigen Battery 5.0 / 8.0

SigenStor BAT	5.0	8.0	Units
Performance Specification			
Battery type	LiFePO4		
Cell capacity	280		Ah
Cycle life ¹	10,000		
Total energy capacity	5.38	8.06	kWh
Usable energy capacity ²	5.2	7.8	kWh
Depth of discharge ³	100%		
Max. charge / discharge power	2,500	4,000	W
Peak charge / discharge power (10 seconds)	3,750	6,000	W
General Data			
Weight	55	70	kg
Dimensions (W / H / D)	767 / 270 / 260		mm
Storage temperature range	-25 ~ 60		°C
Operating temperature range	-20 ~ 55		°C
Relative humidity range	5% ~ 95%		
Max. operating altitude	4,000		m
Cooling	Natural convection		
System ingress protection rating	IP66		
Installation method	Floor standing / Wall-mounted		
Standard Compliance			
Standard ⁴	IEC/EN 60730-1, UN 38.3, IEC/EN 62619, IEC/EN 63056, IEC/EN 62040		



Number of battery modules ⁵	1	2	3	4	5	6	pcs
Total energy capacity	8.06	16.12	24.18	32.24	40.3	48.36	kWh
Max. charge / discharge power	4	8	12	16	20	24	kW
Total weight	112	183	254	325	396	467	kg
Total height (with base)	640	910	1,180	1,450	1,720	1,990	mm
Total width (with decorative covers)	850						mm
Total depth (with decorative covers)	260						mm

1. This is provided by the battery cell manufacturer. Based on cell test condition of 25±2°C, 0.5C charge and discharge rate and SOH=60%.
2. Test conditions: 100% depth of discharge, 0.2C rate charge & discharge averagely at 25°C, at the beginning of life.
3. Refers to usable capacity. Battery must be recharged within 7 days after being fully discharged to keep battery healthy.
4. For all standards refer to the certificates category on the Sigenenergy website.
5. The data in the table is based on the combination of SigenStor BAT 8.0 and SigenStor EC three-phase as an example, with a ground-mounted installation.

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