

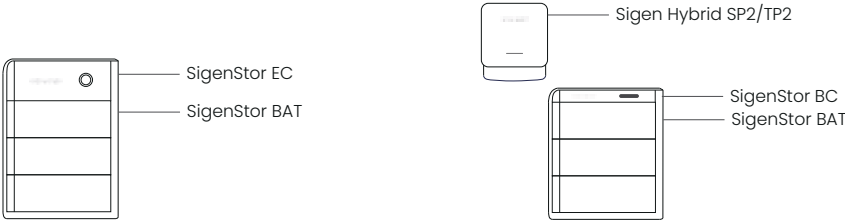
Sigen Battery

- Premium 280Ah cells with 10,000 cycles, long-lasting & reliable
- 5-layer battery safety protection redefines safety standards
- Pack-level battery optimisation, mix and match, upgrade with ease
- Higher energy density, efficient storage & compact design
- 100% depth of discharge, maximum energy utilisation

Sigen Battery

SigenStor BAT	5.0	8.0	Units
Performance Specification			
Battery type	LiFePO4		
Cell capacity	280		Ah
Cycle life ¹	10000		
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	2500	4000	W
Max. charge / discharge current	7.5	12.0	A
Peak charge / discharge power (10 seconds)	3750	6000	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	4000		m
Cooling	Natural convection		
System ingress protection rating	IP66		
Installation method	Floor standing / Wall-mounted		
Number of modules per controller	1 ~ 6		pcs
Compatible inverters	SigenStor EC series Sigen Hybrid SP2/TP2 series ⁴		

Standard Compliance		
Standard	IEC/EN 60730-1, UN 38.3, IEC/EN 62619, IEC/EN 63056, IEC/EN 62040	
	SigenStor BC	
Operating voltage range (Single Phase)	300 ~ 600	V
Operating voltage range (Three Phase)	600 ~ 900	V
Weight	8	kg
Dimensions (W / H / D)	765 / 109 / 260 (without decorative cover)	mm
Compatible battery system	SigenStor BAT series	
Compatible inverter	Sigen Hybrid SP2/TP2 series	
Communication	CAN	



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 the usable energy capacity.
4. SigenStor BC must be used if Sigen Hybrid SP2/TP2 is to be connected to the Sigen Battery.
5. For all standards refer to the certificates category on the Sigenenergy website.