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GREEN ECO GROUP

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Green Eco Group

Ability House

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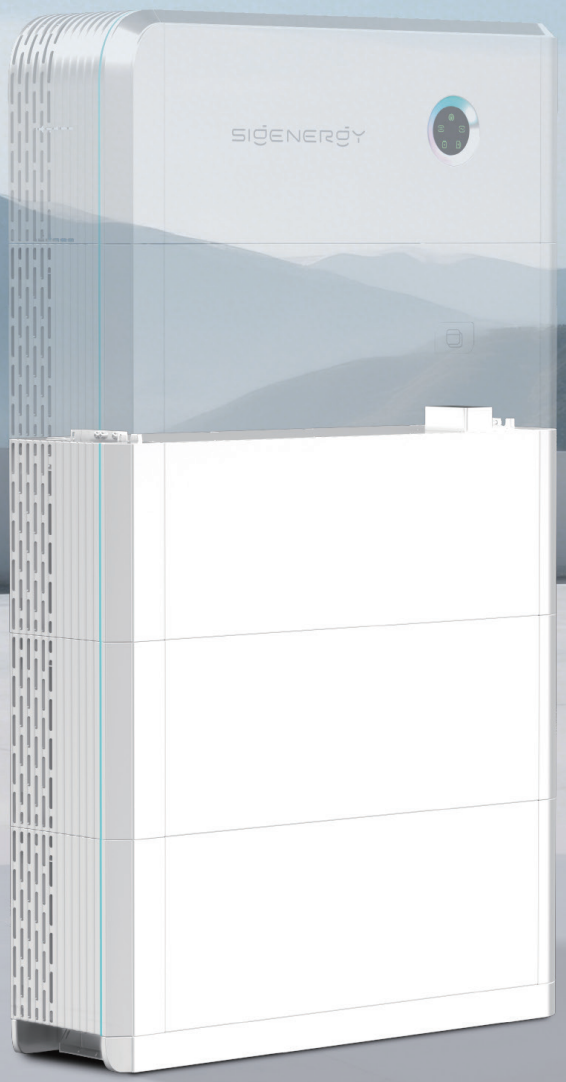
Waltham Abbey

EN9 1JH

Sigen Battery

- Premium 314Ah 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

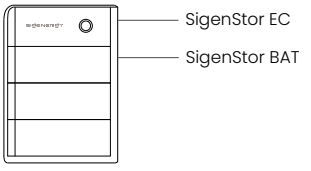


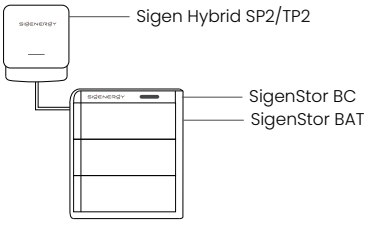
Sigen Battery 6.0 / 10.0

Preliminary

SigenStor BAT	6.0	10.0	Units
Performance Specification			
Battery type	LiFePO4		
Cell capacity	314		Ah
Cycle life [1]	10000		
Total energy capacity	6.02	9.04	kWh
Usable energy capacity [2]	5.84	8.76	kWh
Depth of discharge [3]	100%		
Max. charge / discharge power	3000	4600	W
Peak charge / discharge power (10 seconds)	4500	6900	W
General Data			
Weight	62	78	kg
Dimensions (W / H / D)	767 / 270 / 265		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 [5]	IEC/EN 60730-1, UN 38.3, IEC/EN 62619, IEC/EN 63056, IEC/EN 62477		

	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	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. Battery must be recharged within 7 days after being fully discharged to keep battery healthy.
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 Sigenergy website.

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