# Sigen Battery

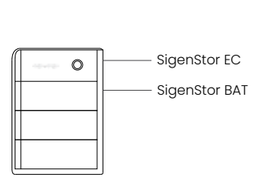
- Premium 314Ah cells with 10,000 cycles, long-lasting & reliable
- 5-layer battery safety protection to define the safety standard
- Battery optimizer inside, mix old and new, upgrade with ease
- Higher energy density, efficient storage, compact design
- 100% depth of discharge, maximum energy utilization

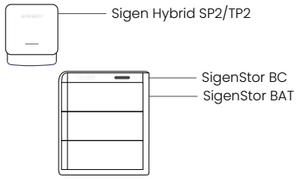


## Sigen Battery 6.0 / 10.0

| 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 | | ℃ |
| Operating temperature range | -20 ~ 55 | | ℃ |
| 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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