

# Sigen Battery 5.0 / 8.0 kWh

| SigenStor BAT | 5.0 | 8.0 | Units |
|---------------|-----|-----|-------|
|---------------|-----|-----|-------|

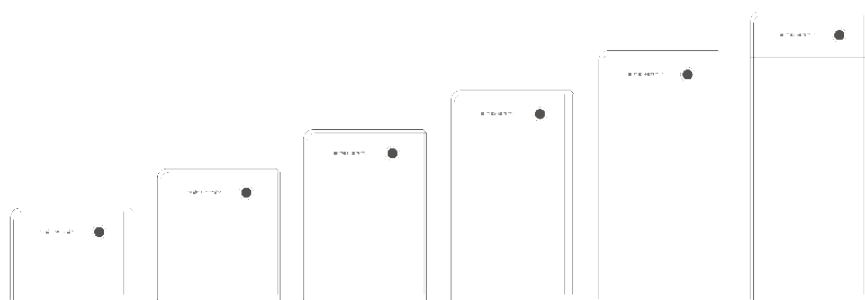
## Performance Specification

|   |                     |      |     |
|---|---------------------|------|-----|
| Battery type  | LiFePO <sub>4</sub> |      |     |
| Total energy capacity                               | 5.38                | 8.06 | kWh |
| Usable energy capacity*                             | 5.2                 | 7.8  | kWh |
| Battery modules voltage range (single phase system) | 300 ~ 600           |      | V   |
| Battery modules voltage range (three phase system)  | 600 ~ 900           |      | V   |
| Max. charge / discharge power                       | 2500                | 4000 | W   |
| Peak charge / discharge power (10 seconds)          | 3750                | 6000 | W   |

## General Data

|                             |                               |    |    |
|-----------------------------|-------------------------------|----|----|
| Weight                      | 57                            | 73 | 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            |    |    |
| Ingress protection rating   | IP66                          |    |    |
| Noise emission              | < 30                          |    | dB |
| Installation method         | Floor standing / Wall-mounted |    |    |

\* Test conditions: 100% depth of discharge, 0.2C rate charge & discharge averagely at 25°C.



| Number of battery modules                  | 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  |
| Peak charge / discharge power (10 seconds) | 6    | 12    | 18    | 24    | 30   | 36    | kW  |
| Total weight                               | 91   | 164   | 237   | 310   | 383  | 456   | kg  |
| Total height (with base)                   | 640  | 910   | 1180  | 1450  | 1720 | 1990  | mm  |
| Total width (with decorative covers)       |      |       | 850   |       |      |       | mm  |
| Total depth (with decorative covers)       |      |       | 260   |       |      |       | mm  |

The combination of SigenStor BAT 8.0 + SigenStor EC single phase as example