



SolisStorage

# IntelliHome

## Wall/Floor Mounted Battery

Low voltage battery | IP66

Expandable up to 8 units in parallel (Max 40/80/128 kWh)



### Recommended Combinations

| Roof Area         | 150 m <sup>2</sup> | 125 m <sup>2</sup> | 100 m <sup>2</sup> | 75 m <sup>2</sup> | 60 m <sup>2</sup> | 50 m <sup>2</sup> | 30 m <sup>2</sup> |
|-------------------|--------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| PV System Size    | 30 kWp             | 25 kWp             | 20 kWp             | 15 kWp            | 12 kWp            | 10 kWp            | 6 kWp             |
| Inverter Capacity | 20 kW              | 20 kW              | 15 kW              | 12 kW             | 10 kW             | 8 kW              | 5 kW              |
| Battery Capacity  | 40 kWh             | 40 kWh             | 30 kWh             | 20 kWh            | 20 kWh            | 16 kWh            | 10 kWh            |



w: [solisstorage.com](http://solisstorage.com)

# DATASHEET

# IntelliHome-(5-16)kWh-OD

| Models                                | 5kWh                                                                                                                                                                                                                                                                     | 10kWh               | 16kWh              |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|
| Performance Parameters                |                                                                                                                                                                                                                                                                          |                     |                    |
| Battery type                          | LiFePO <sub>4</sub>                                                                                                                                                                                                                                                      |                     |                    |
| Nominal capacity                      | 5 kWh                                                                                                                                                                                                                                                                    | 10 kWh              | 16 kWh             |
| Operating voltage                     | 44.8 - 57.6 V                                                                                                                                                                                                                                                            |                     |                    |
| Rated cell capacity                   | 100 Ah                                                                                                                                                                                                                                                                   | 100 Ah              | 314 Ah             |
| Recommended charge/discharge rate     | 0.5C                                                                                                                                                                                                                                                                     |                     |                    |
| Recommended charge/discharge current  | 50 A                                                                                                                                                                                                                                                                     | 100 A               | 157 A              |
| Maximum sustainable charging current  | 50 A                                                                                                                                                                                                                                                                     | 100 A               | 157 A              |
| Maximum sustainable discharge current | 100 A                                                                                                                                                                                                                                                                    | 200 A               | 157 A              |
| Depth of discharge (DOD)              | 100%                                                                                                                                                                                                                                                                     |                     |                    |
| Charging temperature range            | -20 ~ 55°C (with heating function) (> 45°C, derating)                                                                                                                                                                                                                    |                     |                    |
| Discharging temperature range         | -20 ~ 55°C (> 45°C, derating)                                                                                                                                                                                                                                            |                     |                    |
| Communication interface               | CAN/RS485                                                                                                                                                                                                                                                                |                     |                    |
| Cycle life <sup>①</sup>               | > 6000 Cycles / 10 Years                                                                                                                                                                                                                                                 |                     |                    |
| Expansion capability                  | Up to 8 units in parallel                                                                                                                                                                                                                                                |                     |                    |
| Standard Parameters                   |                                                                                                                                                                                                                                                                          |                     |                    |
| Cooling method                        | Natural cooling                                                                                                                                                                                                                                                          |                     |                    |
| Certifications & safety standards     | 5kWh/10kWh: IEC 62619, IEC 63056, ISO13849, VDE 2510-50, UN 38.3, EN/IEC61000-6-1/2/3/4, IEC 60730-1, IEC 60529 (IP); 16kWh: IEC 62619, IEC 63056, ISO13849, VDE 2510-50, UN 38.3, EN/IEC61000-6-1/2/3/4, IEC 60730-1, IEC 60529 (IP), CEC list                          |                     |                    |
| Compatible inverters                  | S6-EH1P(3-6)K-L-EU/S5-EH1P(3-6)K-L (Smart)/S6-EH1P(3-10)K-L-PLUS/S6-EH1P(9.9-18)K03-NV-YD-L/ S6-EH2P(5-8)K02-SV-YD-L/S6-EH2P(9.6-16)K03-SV-YD-L-US/S6-EH3P(8-18)K02-NV-YD-L/S6-EH3P(7-10)K02-LV-YD-L/ S5-EA1P3K-L/S6-EA1P(3.6-6)K-L/S6-EO1P(4-6)K-48/S6-EO1P(4-5)K-48-EU |                     |                    |
| Dimensions (W × H × D)                | 470 × 650 × 150 mm                                                                                                                                                                                                                                                       | 470 × 1070 × 150 mm | 470 × 950 × 240 mm |
| Weight                                | 50 kg                                                                                                                                                                                                                                                                    | 95 kg               | 126 kg             |
| Ingress protection                    | IP66                                                                                                                                                                                                                                                                     |                     |                    |
| Installation method                   | Floor-mounted / Wall-mounted (Default)                                                                                                                                                                                                                                   |                     |                    |
| Recommended operating temperature     | 10 ~ 45°C                                                                                                                                                                                                                                                                |                     |                    |
| Maximum operating altitude            | ≤ 4000 m (> 2000 m, derating)                                                                                                                                                                                                                                            | ≤ 4000 m            |                    |
| Operating ambient humidity            | 5 ~ 95% RH                                                                                                                                                                                                                                                               |                     |                    |

① Test conditions: 5kWh/10kWh: @25°C0.2C/0.2C, 70%EOL@100%DOD;  
16kWh: @25°C0.5C/0.5C, 70%EOL@100%DOD.