

IntelliHome

Wall/Floor Mounted Battery

Low voltage battery | IP66

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



10 kWh

5 kWh

16 kWh

Recommended Combinations

| Roof Area | 150 m ² | 125 m ² | 100 m ² | 75 m ² | 60 m ² | 50 m ² | 30 m ² |
|-------------------|--------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| 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 |

DATASHEET

IntelliHome-(5-16)kWh-OD

| Models | 5kWh | 10kWh | 16kWh |
|---------------------------------------|--|---------------------|--------------------|
| Performance Parameters | | | |
| Battery type | LiFePO ₄ | | |
| 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 ^① | > 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°C/0.2C/0.2C, 70%EOL@100%DOD;
16kWh: @25°C/0.5C/0.5C, 70%EOL@100%DOD.