

SMA HOME STORAGE

The SMA Home Storage Solution allows homeowners to unlock the full potential of sustainable energy. Integrating the SMA Home Storage battery makes the modular solution complete: everything from a single source. It perfectly complements SMA's hybrid inverters enabling energy solutions of today and tomorrow.



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Whether during times of low solar irradiation or the highs of midday - the SMA Home Storage can store solar power and make it available as needed.

It offers flexible scalability to be adapted to individual needs and has an especially long lifetime of around 8000 charging cycles.

With the SMA Home Storage, homeowners are making a conscious choice for quality and additional security with the 10-year warranty¹⁾.

Future-proof electricity storage system

- Developed for intensive use
- Ready for future, like dynamic tariffs and virtual power plants (VPP)
- Integrated black start function for back-up supply (when combined with the SMA hybrid inverter)
- 8000 life cycles and 10 years of warranty¹⁾

Easy installation, fast commissioning

- Plug and play solution, including automatic commissioning
- Preassembled cables for an easy installation
- Expandable capacity possible within 2 years

Unmatched flexibility

- Compatible with SMA's hybrid inverters
- Slim, stackable design that can be scaled from 3.2 kWh to 16.4 kWh
- Floor, wall or back-to-back mounting
- Outdoor installation possible (Protection class IP65)

¹⁾ Device registration via the SMA product registration at my.sma-service.com required within 30 days. The conditions of the SMA limited factory warranty apply.

SPECIFICATIONS

| | SMA Home Storage 3.2 | SMA Home Storage 6.4 | SMA Home Storage 9.6 | SMA Home Storage 12.8 | SMA Home Storage 16.0 |
|--|--|-------------------------|-------------------------|--------------------------|--|
| Electrical Data | | | | | |
| Usable energy capacity ¹⁾ (kWh) | 3,28 kWh | 6,56 kWh | 9,84 kWh | 13,12 kWh | 16,4 kWh |
| Nominal voltage ²⁾ (V) | 96 V | 192 V | 288 V | 384 V | 480 V |
| Operating voltage range (V) | 90 - 108 V | 180 - 216 V | 270 - 324 V | 360 - 432 V | 450 - 540 V |
| Max. charging / discharging current (A) | 36 / 36 A | 36 / 36 A | 36 / 36 A | 36 / 36 A | 36 / 36 A |
| General data | | | | | |
| Dimensions (W / H / D) mm | 610 x 483 x 214,6 | 610 x 969 x 214,6 | 610 x 1455 x 214,6 | 2 x (610 x 969 x 214,6) | 610 x 1455 x 214,6 y 610 x 969 x 214,6 |
| Weight | 38 | 76 | 114 | 152 | 190 |
| Operating temperature range | -10 to +50 °C | | | | |
| Self-consumption(at night) per module | 2 W | | | | |
| Protection degree | IP65 | | | | |
| Max. permissible relative humidity | 5 to 95 % (non condensing) | | | | |
| Cell Technology | LiFePO4 | | | | |
| Protective Devices | | | | | |
| Input-side disconnection point | Yes | | | | |
| DC Reverse polarity protection | Yes | | | | |
| Protection degree | I | | | | |
| Overvoltage category battery | II / II | | | | |
| Equipment | | | | | |
| DC connection | MC4 | | | | |
| Interface / communication | RJ45 | | | | |
| Communication protocols | SMA Battery interface | | | | |
| Warranty 2 / 10 years | Yes / Yes ³⁾ | | | | |
| Certificates and permits (more available upon request) | CE, UN 38.3, IEC 62619, IEC 62477, VDE 2510-50 | | | | |
| Compatible SMA Products | STE-SE, SB-SE | | | | |
| Accessories | | | | | |
| | Base unit for floor mounting (HS-BU-10), communication cable to STP-SE | | | | |
| Type designation | HS-BM-3.28-10 | 2 x HS-BM-3.28-10 | 3 x HS-BM-3.28-10 | 4 x HS-BM-3.28-10 | 5 x HS-BM-3.28-10 |

¹⁾ Under specific test conditions (100% DOD, 0.2 C charge and discharge at +25 °C).

²⁾ Dimensions for wall mounting. Dimensions with optional base unit can be found in the product manual.

³⁾ Device registration via the SMA product registration at my.sma-service.com required within 30 days. The conditions of the SMA limited factory warranty apply.


DOWNLOADS

SMA HOME STORAGE ESP

 [HS-BM-10-DS-es-10.pdf](#)

Size: 665.68 KiB

SMA HOME STORAGE ENG

 [HS-BM-10-DS-en-11.pdf](#)

Size: 573.16 KiB