/ HS-BM-3.28-10 / HS-BU-10

preliminary



SMA Home Storage

Ease of installation. Long lifetime.
Seamless integrability.



Long-lasting and future-proof storage
- Engineered for intensive usage
- Ready for future solutions, like dynamic tariffs and VPP
- Backup ready with manual Black-Start Function*
- 8,000 lifecycles and 10 years warranty**

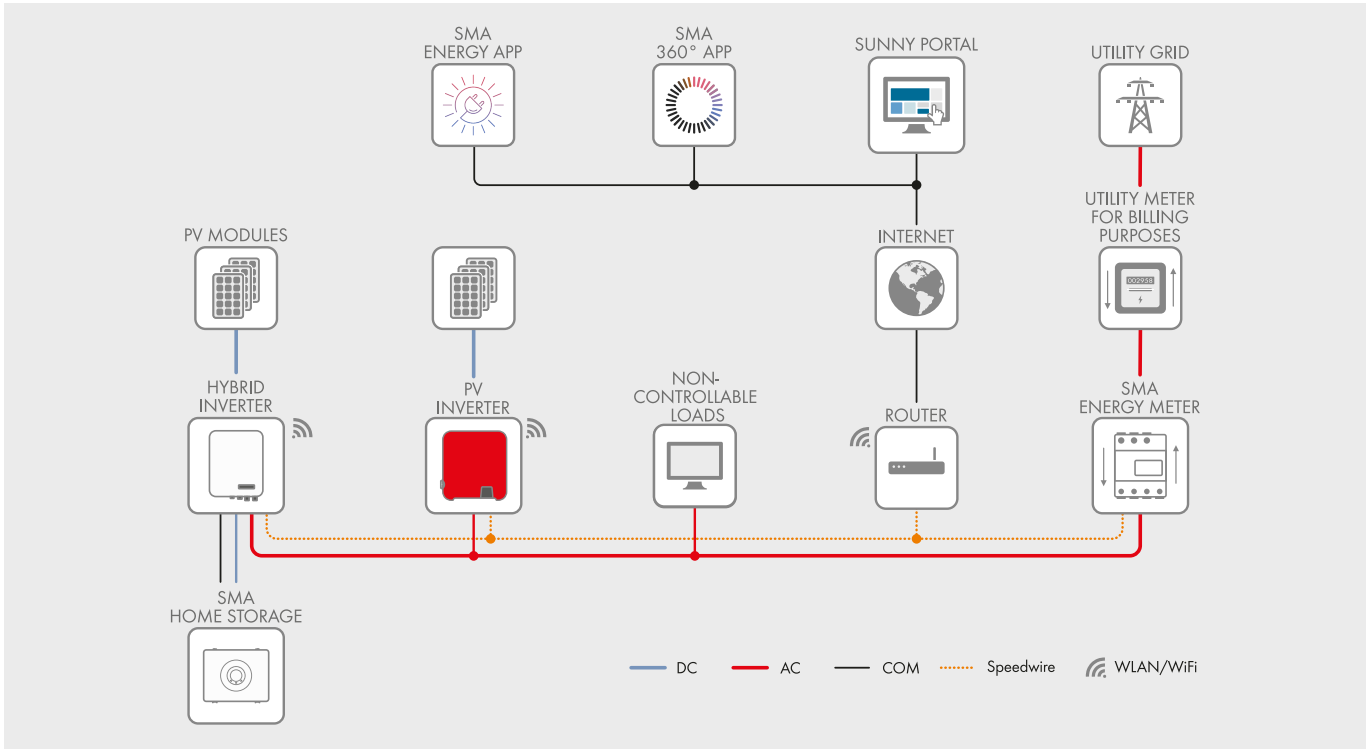
Easy installation, fast commissioning
- Plug & Play
- Pre-assembled cables for easy commissioning
- Expandable capacity from 3.2 to 16.4 kWh

Unmatched flexibility
- Compatible with SMA's hybrid inverters
- Slim, stackable design, modularly extendable
- Mounting on the floor, wall or back to back
- Outdoor installation possible (Protection Class IP65)

The SMA Home Energy Solution allows homeowners to unlock the full potential of sustainable energy. Integrating the SMA Home Storage makes the modular solution complete: everything from one provider. It perfectly complements SMA's hybrid inverters enabling present and future solutions.

Installation of the SMA Home Storage is effortless, whether on the ground or against a wall. It scales smoothly between energy sectors and charges fast thus maximizing short periods of sunshine. Its slim and stackable design integrates with other SMA components in the modular SMA Home Solution, underscoring its seamless fit. SMA guarantees superior quality, durability, and a 10-year warranty for extensive usage.

*) With SMA Hybrid inverter
**) Registration of the Product in SMA Online Service Center within 30 days is required.



Technical data	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					
Usable Energy Capacity* [kWh]	3.28 kWh	6.56 kWh	9.84 kWh	13.12 kWh	16.40 kWh
Nominal Voltage [V]	96 V	192 V	288 V	384 V	480 V
Operating voltage range [V]	90 V – 108 V	180 V – 216 V	270 V – 324 V	360 V – 432 V	450 V – 540 V
Max. Charging / Discharging Current [A]	36 A				
General Data					
Dimensions** (W/H/D) [mm]	610 x 483 x 214.6 mm	610 x 969 x 214.6 mm	610 x 1455 x 214.6 mm	2 x (610 x 969 x 214.6) mm	(610 x 1455 x 214.6 mm) & (610 x 969 x 214.6 mm)
Weight ca. [kg]	38 kg	76 kg	114 kg	152 kg	190 kg
Operating temperature range [°C]	-10 °C ~ 50 °C				
Noise emission, max. [db]	xxx db				
Self-consumption (at night) per module	2 W				
Environmental protection rating	IP 65				
Climatic category for transportation / storage / operation	5 ~ 95 %				
Cell technology	Lithium Iron Phosphate (LiFePO4)				
Efficiency					
Battery efficiency	xxx %				
Protective devices					
Input-side disconnection point	●				
DC reverse polarity protection	●				
Protection class	I				
Overvoltage category battery / inverter	II / II				
Equipment					
DC connection	MC4				
Interface communication	RJ45				
Communication protocols	SMA Battery Interface				
Warranty: 2 / 10 / 15 / 20 years	● / ●*** / ○ / ○				
Certificates and permits (more available upon request)	CE, UN38.3, IEC62619, IEC 62477, VDE2510-50				
Country availability of SMA Smart Connected	AT, BE, CH, DE, NL, IT				
Compatible SMA Products	STP-SE (SMA Home Storage 6.4 to 16.0), SB-SE (SMA Home Storage 3.2 to 12.8)				
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

● Standard equipment ○ Optional – Not available Data at nominal conditions Last revised: 05 / 2023

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

**) Dimensions for wallmounting. Dimensions with optional base unit can be find in the product manual.

***) Device registration via the SMA product registration homepage (my.sma-service.com) within 30 days. The conditions of the SMA limited factory warranty apply. You can find additional information at SMA-Solar.com

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