





SMA Home Storage

Ease of installation. Long lifetime. Seamless integration.



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

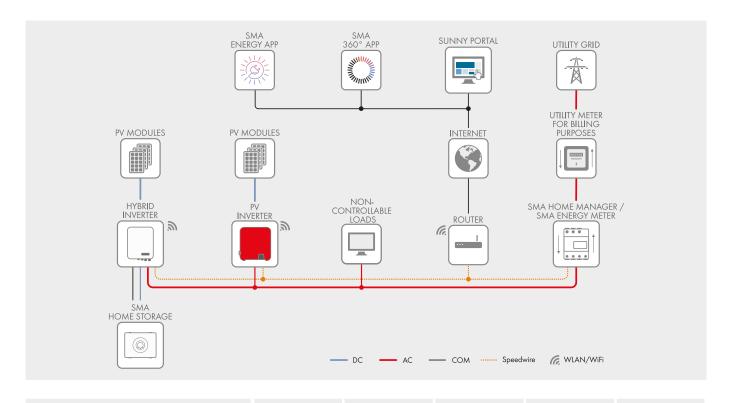
Unmatched flexibility

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

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.

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⁾.



Electrical Usoble energy capacity 1 3.28 kWh 6.56 kWh 9.84 kWh 13.12 kWh 16.40 kWh Nominal voltage 96 V 192 V 288 V 384 V 480 V 200 katerial part of the pa	Technical data	SMA Home Storage 3.2	SMA Home Storage 6.5	SMA Home Storage 9.8	SMA Home Storage 13.1	SMA Home Storage 16.4
Nominal voltage	Electrical					
Operating voltage range	Usable energy capacity ¹⁾	3.28 kWh	6.56 kWh	9.84 kWh	13.12 kWh	16.40 kWh
Max. charging / discharging current 36 A		96 V	192 V	288 V	384 V	480 V
Ceneral data Dimensions ² (W/H/D)	Operating voltage range	90 V to 108 V	180 V to 216 V	270 V to 324 V	360 V to 432 V	450 V to 540 V
Dimensions Di	Max. charging / discharging current			36 A		
Section	General data					
Operating temperature range Self-consumption (at night) per module 2 W Degree of protection (according to IEC 60529) Max. permissible value for relative humidity (non-condensing) Cell technology Lithium Iron Phosphate (LiFePO4) Efficiency Battery efficiency Protective devices Input-side disconnection point DC reverse polarity protection Overvoltage category battery / inverter Equipment DC connection Interface / Communication Interface / Communication Communication protocols Warranty: 2/10 years Certificates and permits (more available upon request) Page 1.10°C to 50°C 2 W 1P 65 A W 1P 65 No 95% Lithium Iron Phosphate (LiFePO4) EtitiePO4) Ithium Iron Phosphate (LiFePO4) Ith	Dimensions ²⁾ (W/H/D)					214.6 mm) and (610 × 969 ×
Self-consumption (at night) per module Degree of protection (according to IEC 60529) Max, permissible value for relative humidity (non-condensing) Cell technology Efficiency Battery efficiency Protective devices Inputside disconnection point DC reverse polarity protection Overvoltage category battery / inverter Equipment DC connection Interface / Communication Interface / Communication Communication protocols Warranty: 2/10 years Certificates and permits (more available upon request) EQ W IP 65 A W Lithium Iron Phosphate (LiFePO4) Lithium Iron Phosphate (LiFePO4) Lithium Iron Phosphate (LiFePO4) Equipment	Weight	38 kg	76 kg	114 kg	152 kg	190 kg
Degree of protection (according to IEC 60529) Max. permissible value for relative humidity (non-condensing) Cell technology Efficiency Battery efficiency Protective devices Input-side disconnection point Overvoltage category battery / inverter Equipment DC connection Communication protocols Warranty: 2/10 years Cet ifficates and permits (more available upon request) IP 65 IP 65 ACA Lithium Iron Phosphate (LiFePO4) Eithium Iron Phosphate (LiFePO4) Ethicum Iron Phosphate (LiFePO4) Ethicum Iron Phosphate (LiFePO4) Ethicum Iron Phosphate (LiFePO4) Ethicum Iron Phosphate (LiFePO4) A 65 Swa Potential II / II Equipment CE, UN38.3, IEC62619, IEC 62477, VDE2510-50	Operating temperature range	-10°C to 50°C				
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Certificates and permits (more available upon request) CE, UN38.3, IEC62619, IEC 62477, VDE2510-50		,				
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Compatible SMA products STP-SE (SMA Home Storage 6.4 to 16.0), SB-SE (SMA Home Storage 3.2 to 12.8)						
	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 (HS-COM-CBL-3-10)		* ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '				
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	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: 09/2023
- 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. You can find additional information at SMA-solar.com.