

## Solar Energy South Africa

# Sunny boy storage 375060 Faroe Islands



## Overview

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Is Sunny Boy Storage available for commercial use?

(Update 4/2/2019 - multibattery functionality) Starting in June, the powerful SMA battery inverter Sunny Boy Storage 3.7/5.0/6.0 for private homes will be commercially available. In this post, you will learn how to install and commission the Sunny Boy Storage in a few steps and what makes the device so special.

What is a Sunny Boy battery inverter?

The Sunny Boy Storage 3.7/5.0/6.0 is a high-performance SMA battery inverter for private homes. Larger storage systems are easy to implement and are flexible to expand with a total of three battery connections. A PV system and the corresponding storage system is as unique as its user's power consumption and home.

Why should you choose a Sunny Boy Storage System?

For a guaranteed electricity supply at any time, the Sunny Boy Storage offers twice as much security. A PV system with a storage system makes the user independent from conventional power generators and rising electricity costs. With the Sunny Boy Storage, this is particularly easy and quick.

How many battery connections does the Sunny Boy Storage have?

With three battery connections in total, the Sunny Boy Storage grows with the individual needs of its users. Maybe in the near future, you want to charge your electric vehicle in a climate-neutral manner and for free with electricity from your own PV system. Or you want to supply a heat pump with self-generated solar power.

How do I Commission the Sunny Boy Storage?

The Sunny Boy Storage can be commissioned quickly and easily via a smartphone, tablet or PC in a few steps and thanks to an integrated web

interface. Tech Tip: How to commission the Sunny Boy Storage 3.7, 5.0, 6.0?

Refueling and heating for free What actually sets the big brother apart from Sunny Boy Storage 2.5?

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How many DC inputs can be connected in a Sunny Boy Storage?

To connect larger batteries, three DC inputs can also be connected in parallel. The Sunny Boy Storage has integrated emergency power, which can be switched manually. Furthermore, it can even take over the entire electricity supply of the three line conductors via the optional automatic transfer unit.

## Sunny boy storage 3 7 5 0 6 0 Faroe Islands



### [Sunny Boy Storage 3.7 / 5.0 / 6.0](#)

Sunny Boy Storage 3.7 / 5.0 / 6.0; Sunny Boy Storage 2.5; Sunny Island 4.4M / 6.0H / 8.0H; Sunny Island 4548-US / 6048-US; Sunny Central Storage UP; Sunny Central Storage 1900 / 2200 / 2475 / 2900; Sunny Central Storage 2200-US / 2475-US / 2900-US; Multicluster Boxes for Sunny Island; ??????. ?? ??????; Medium

### Sunny Boy Storage: Installation und Inbetriebnahme

Mit seinen drei Leistungsklassen 3,7 kW, 5,0 kW und 6,0 kW kommt der Sunny Boy Storage dem Trend zu größeren Leistungen und Batteriekapazitäten für Speichersysteme in Eigenheimen nach. Im Tech Tip ...



### Sunny Boy Storage: The Quick and Easy Way to More ...

In this post, you will learn how to install and commission the Sunny Boy Storage in a few steps and what makes the device so special. With its three power classes 3.7 kW, 5.0 kW and 6.0 kW, the Sunny Boy Storage is ...

### SMA , Sunny Boy Storage 3.7/5.0/6.0 , Solar Inverter Datasheet

SMA Solar Technology AG Solar Inverter Series Sunny Boy Storage 3.7/5.0/6.0. Detailed profile including pictures, certification details and manufacturer PDF ENF Solar. Language: English; Sunny Island 4 . SMA On-Grid, Off-Grid; VHS-5K-L01-K Veichi Electric



## [SUNNY BOY STORAGE 3.7 / 5.0 / 6](#)

Dati tecnici Sunny Boy Storage 3.7 Sunny Boy Storage 5.0 Sunny Boy Storage 6.0 Collegamento CA Potenza massima (a 230 V, 50 Hz) 3680 W 5000 W1) 6000 W1) Capacità di sovraccarico (a 25°C fino a max 60 s)2) 4600 W 6300 W 7500 W Corrente nominale CA uscita (a 230 V, 50 Hz) 16 A 21,7 A 26 A

## [Sunny Boy Storage 3.7 / 5.0 / 6](#)

technical data (preliminary) Sunny Boy Storage 3.7 Sunny Boy Storage 5.0 Sunny Boy Storage 6.0 aC connection Rated 1)power (at 230 V, 50 Hz) 3680 W 5000 W 6000 W1) Overload capacity (at 25°C to max. 60 sec)2) 4600 W 6300 W 7500 W AC 3)nominal current output (at 230 V, 50 Hz) 16 A 21.7 A 26 A



## **Sunny Boy Storage 3.8-US / 5.0-US / 6.0-US**

Sunny Boy Smart Energy; Sunny Island 4548-US / 6048-US; The Sunny Boy Storage battery inverter has been precisely engineered to serve as the intelligent interface between PV, the electrical grid and industry-leading high-voltage ...

## SUNNY BOY STORAGE 3.7 / 5.0 / 6.0

Technische gegevens Sunny Boy Storage 3.7  
 Sunny Boy Storage 5.0 Sunny Boy Storage 6.0  
 AC-aansluiting Opgegeven vermogen (bij 230 V,  
 50 Hz) 3680 W 5000 W1) 6000 W1)  
 Overbelastingcapaciteit (bij 25 °C tot max. 60  
 s)2) 4600 W 6300 W 7500 W Nominale AC-  
 stroom (bij 230 V, 50 Hz) 16 A 21,7 A 26 A



## SUNNY BOY STORAGE 3.7 / 5.0 / 6.0

SUNNY BOY STORAGE 3.7 / 5.0 / 6.0. Remarques relatives à ce document. Champ d'application. Groupe cible. Contenu et structure du document. Niveaux de mise en garde. Symboles utilisés dans le document. Formats utilisés dans le document. Désignations utilisées dans le document.

## Batterijvormers

Sunny Boy Smart Energy; Sunny Tripower Smart Energy; Batterijvormers. Terug Batterijvormers; Overzicht; Sunny Boy Storage 2.5; Sunny Boy Storage 3.7 / 5.0 / 6.0; Sunny Island 4.4M / 6.0H / 8.0H; Batterij zonnepanelen. Terug Batterij zonnepanelen; Pv-opslag; SMA Home Storage; Systeemoplossingen en pakketten. Terug Systeemoplossingen en pakketten



## SUNNY BOY STORAGE 3.7 / 5.0 / 6

o SBS3.7-10 (Sunny Boy Storage 3.7) o SBS5.0-10 (Sunny Boy Storage 5.0) o SBS6.0-10 (Sunny Boy Storage 6.0) 1.2 Grupo de destinatarios Este documento está dirigido a especialistas y usuarios finales. Las tareas



marcadas en este documento con un símbolo de advertencia y la palabra "Especialista" deben llevarlas a cabo únicamente

## SMA , Sunny Boy Storage 3.7/5.0/6.0 , ??????? ...

An important characteristic of the Sunny Boys is that they feature the international SMA grid guard interface. This ensures maximum reliability when operating the solar power system, and enables electricity to be fed into public grids ...



## [Operating manual](#)

o SBS6.0-10 (Sunny Boy Storage 6.0) from firmware version  $\geq 4.00.00.R 1.2$  Target Group  
This document is intended for qualified persons and end users. Only qualified persons are allowed to perform the activities marked in this document with a warning symbol and the caption

## [Betriebsanleitung](#)

o SBS3.7-10 (Sunny Boy Storage 3.7) ab Firmware-Version  $\geq 3.00.00.R$  o SBS5.0-10 (Sunny Boy Storage 5.0) ab Firmware-Version  $\geq 3.00.00.R$  o SBS6.0-10 (Sunny Boy Storage 6.0) ab Firmware-Version  $\geq 3.00.00.R 1.2$   
Zielgruppe Dieses Dokument ist für Fachkräfte und Endanwender bestimmt. Die Tätigkeiten, die in diesem

## FLEXIBLE SETTING OF MULTIPLE WORKING MODES







### [Operating manual](#)

o SBS3.7-10 (Sunny Boy Storage 3.7) from firmware version  $\geq 3.00.00.R$  o SBS5.0-10 (Sunny Boy Storage 5.0) from firmware version  $\geq 3.00.00.R$  o SBS6.0-10 (Sunny Boy Storage 6.0) from firmware version  $\geq 3.00.00.R$  1.2 Target Group This document is intended for qualified persons and end users. Only qualified persons are allowed



## Wirkungsgrad SMA Sunny Boy Storage 3.7, 5.0 & 6.0

Wir haben vorhin in einem anderen Thread diskutiert, ob es technische Unterschiede zwischen den SBS 3.7, 5.0 und 6.0 gibt. Bei einphasigem Netzparallelbetrieb in Deutschland darf sowohl der SBS 5.0, als auch der SBS 6.0 nur mit 4,6kVA betrieben werden....



### [SUNNY BOY STORAGE 3.7 / 5.0 / 6](#)



Technical data Sunny Boy Storage 3.7 Sunny Boy Storage 5.0 Sunny Boy Storage 6.0 AC connection Rated power (at 230 V, 50 Hz) 3680 W 5000 W1) 6000 W1) Overload capability (at 25°C to max. 60 sec.)2) 4600 W 6300 W 7500 W AC nominal current output (at 230 V, 50 Hz) 16 A 21.7 A3) 26 A Nominal AC voltage / AC voltage range 230 V / 172.5 V to 264.5 V

## Manuale d'uso

o SBS5.0-10 (Sunny Boy Storage 5.0) a partire dalla versione del firmware  $\geq 4.00.00.R$  o SBS6.0-10 (Sunny Boy Storage 6.0) a partire dalla versione del firmware  $\geq 4.00.00.R$  1.2  
Destinatari Il presente documento è destinato a tecnici specializzati e utenti finali. Le operazioni



## SUNNY BOY STORAGE 3.7 / 5.0 / 6

Caractéristiques techniques Sunny Boy Storage 3.7 Sunny Boy Storage 5.0 Sunny Boy Storage 6.0 Raccordement AC Puissance assignée (pour 230 V, 50 Hz) 3680 W 5000 W1) 6000 W1) Capacité de surcharge (à 25 °C jusqu'à 60 sec. max.)2) 4600 W 6300 W 7500 W Courant de sortie nominal AC (pour 230 V, 50 Hz) 16 A 21,7 A3) 26 A Tension nominale AC / Plage de ...



## SUNNY BOY STORAGE 3.7 / 5.0 / 6

Datos técnicos Sunny Boy Storage 3.7 Sunny Boy Storage 5.0 Sunny Boy Storage 6.0 Conexión de CA Potencia asignada (a 230 V, 50 Hz) 3680 W 5000 W1) 6000 W1) Capacidad de sobrecarga (a 25 °C hasta máx. 60 s)2) 4600 W 6300 W 7500 W Salida de corriente nominal de CA (a 230 V, 50 Hz) 16 A 21,7 A 26 A

Modular design,  
unlimited combinations in parallel  
**BUILT-IN DUAL FIRE PROTECTION MODULE**



## **Sunny Boy Storage: Installation und Inbetriebnahme**

Mit seinen drei Leistungsklassen 3,7 kW, 5,0 kW und 6,0 kW kommt der Sunny Boy Storage dem Trend zu größeren Leistungen und Batteriekapazitäten für Speichersysteme in

Eigenheimen nach. Im Tech Tip beweist Solar Academy Trainer Jan Rössler, dass sich die Installation des Sunny Boy Storage problemlos von einer Person durchführen lässt.



## [Sunny Boy Storage 3.7 / 5.0 / 6](#)

Technische Daten (vorläufig) Sunny Boy Storage  
3.7 Sunny Boy Storage 5.0 Sunny Boy Storage  
6.0 AC-Anschluss Bemessungsleistung (bei 230  
1)V, 1)50 Hz) 3680 W 5000 W 6000 W  
überlastfähig (bei 2)25°C bis max. 60 Sek.)  
4600 W 6300 W 7500 W AC Nennstrom  
3)Ausgang (bei 230 V, 50 Hz) 16 A 21,7 A 26 A



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