

SMA Sunny Boy



Brand: SMA SunnyBoy
Product Code: SMA SunnyBoy 5.0
Availability: 2 - 3 Days
Weight: 0.00kg
Dimensions: 0.00cm x 0.00cm x 0.00cm

Price: \$700.00

Ex Tax: \$700.00

Description



SMA SunnyBoy

SMA manufactures a line of residential solar products that include solar inverters marketed under the brand name Sunny Boy. The company was founded in 1981 by Werner Kleinkauf and Günther Cramer and rebranded as SMA Technologies AG in 2004.

On June 27, 2008 SMA Technologies AG was listed on the Prime Standard of the Frankfurt Stock Exchange in Germany.

SMA has brought reliable inverters to the marketplace for many years.

The Sunny Boy 3.0-US/3.8-US/5.0-US/6.0-US/7.0-US/7.7-US are the models most likely to be encountered by Texas solar shoppers.

Voltage

The SMA SunnyBoy 5.0-1 [240V] has a **nominal voltage input of 240 VAC** and can operate across a wide range of solar conditions with varying voltages. A **minimum voltage of 100.0VDC** is required and the SMA SunnyBoy 5.0-1 [240V] can handle a **maximum voltage of 550.0VDC**. range across which an inverter . This range allows the SMA SunnyBoy 5.0-1 [240V] to perform in most daylight conditions and excels in shady conditions. In order to stay on, string inverters use a small amount of energy at night,

even when your solar panels are not making energy. This energy usage or loss is known as Night Tare Loss. The SMA SunnyBoy 5.0-1 [240V] features a **Night Tare Loss of 05.W.**

Cost

Cost. The SMA Sunny Boy has a slightly lower price point, usually within \$150 of the Fronius Primo for 5kW model.

Is Potential Shading An Issue?

If Yes –consider the SMA Sunny Boy.

The SMA Sunny Boy has built-in ShadeFix Technology to optimize power production in semi shaded conditions.

If trees, buildings or nearby structures cast a shadow on the roof, SMA's ShadeFix Technology may be your solution.

Warranty

In 2023 most new solar panels come with warranties lasting for 25 + years. Many systems are financed over 25 years as well. Despite the higher price point, however, Fronius only offers a ten-year warranty for US customers.

Voltage

The Primo is cooled by a multi speed fan. This fan can reach up to 55 Decibels and may be annoying if the units are mounted near a bedroom or living area of your home.

Despite this, Fronius has a reputation built on service and dependability. With 77 years of dedication to quality and performance, Fronius may be a serious consideration for Texas solar consumers seeking string inverter systems.

Inverter Overview

SMA SunnyBoy 5.0 Inverter Overview

The SMA SunnyBoy 5.0- [240V] has a very respectable **97% efficiency rating**, with a **maximum output of 5 kW** and a **nominal voltage output of 240VAC**. SMA SunnyBoy 5.0 [240V] with a solid **10 year warranty**.

The SMA SunnyBoy series come in power ratings ranging from 4800W up to 13230 W.

Specification

Solar Inverter Configuration	
Efficiency Rating	99%
Voltage	240 V
Solar Batteries Configuration	
Manufacturer	SolarEdge
Type	Inverter with Power optimizer/ panel-level optimization