



# Discover the Sunny Boy 3 0-US

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The residential PV market is changing rapidly. Your bottom line matters more than ever--so we've designed a superior residential solution to help you decrease costs at every stage of your business operations. The Sunny Boy 3.0-US/3.8-US/5.0-US/6.0-US/7.0-US/7.7-US join the SMA lineup of field-proven solar technology backed by the world's #1 service team, along with a wealth of improvements.

Access our compatibility document to ensure interoperability with your SunSpec certified devices and SMA inverters. Please refer to the compatibility document for updated information and specific model numbers.

Did you know PV solutions with SMA ShadeFix optimization outperform traditional module-level optimizers? SMA's propriety technology produces more power, speeds installation, reduces service requirements, and improves safety.

SMA's SunSpec certified rapid shutdown device offers the fastest, most reliable, and safest method for complying with NEC 2017 690.12. Using far fewer components than more complex alternatives, SMA's SunSpec certified shutdown device is a plug-and-play solution that operates on a simple powerline signal, reducing commissioning requirements. The device operates on the industry standard SunSpec rapid shutdown signal, improving performance and reliability.

SMA automatically monitors the inverter to identify events around-the-clock. Both installers and their customers benefit from SMA's many years of experience diagnosing sophisticated inverter technology.

After a fault has been diagnosed and analyzed, SMA informs the installer and PV system operator immediately by email. So all parties are proactively prepared for the troubleshooting process ensuring minimum downtime and reducing truck roll costs.

In the rare event that a replacement component is necessary, SMA automatically supplies a replacement component within one to three days of the fault diagnosis. The installer can then contact the PV system operator of his/her own accord and repair the inverter immediately.

The SMA Cellular LTE Modem Kit allows for direct data transmission between the Sunny Boy inverter to the cloud based Sunny Portal via a cellular network as an alternative to data transmission via Ethernet or WLAN.

SMA Modbus interfaces provide support for the industry standard protocol for communications between electronic devices. Modbus interfaces enable the integration of SMA products with products from other suppliers for system monitoring and control.

The external antenna extension kit increases the inverter's WLAN range to overcome site conditions which



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inhibit wireless signals and to ensure reliable wireless communications with the network router.

The SMA Sunny Boy US-41 - Quick Design Reference provides string design and inverter selection recommendations based on module specifications and design criteria specified by the user.

Contact us for free full report

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