

# Sunny island generator setup

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This screencast demonstrates how to configure a stand-alone grid with Sunny Island in only eight steps. Thanks to the integrated web interface, commissioning can be performed easily using a smartphone, tablet or more conventionally a PC. Jan Roessler, trainer at the SMA Solar Academy, provides handy tips and tricks on the settings required for storage systems in off-grid operation.

I'd like to get a better technical understanding of why it is not possible to connect more than one Sunny Island in parallel in a grid-tied deployment on a single-phase commercial power system. Thanks.

In my system I have a generator used for backup only. This generator is signalled by Sunny Island. The challenge is that I don't want the generator to operate after 8 pm. How do I accomplish this? Is there some feature on Sunny Island that can be helpful on this case?

It is possible to increase the SOC limits to avoid to start the generator too early but if the SOC limit given is reached, the SI will start the generator (just because its priority is to protect the battery). What would be best is to be sure that at 8 p.m. the battery is fully charged. In this way the system can work on battery the complete night. It also depends on the loads/energy demand and battery capacity.

In On-Grid applications for self-consumption with Sunny Island it isn't possible to use more than one device in parallel if you have a single phase system. Off-Grid Systems you could use three devices in parallel as a single phase System. But then all three devices use the same battery.

Hi, I wanna build on-grid system for workshop with 2 sunny island 8 (1 phase system). is it possible operation parallel with 2 master SI? we are using 2 battery with different type LI-ion and Lead acid? what maximum number for operation parallel SI for 1 phase system?

In On-Grid applications for self-consumption with Sunny Island it isn't possible to use more than one device in parallel if you have a single phase system. You could use one device as master device on one phase or a three phase system with three Sunny Islands.

referring to your inquiry I need to inform that running Sunny Island Systems without DC-Source (repective Solar Inverter Sunny Boy) isn't possible at all. Please find a list of compatible Akkus-/Batteries by following these link: [https://files.sma.de/dl/7910/SI\\_LiIon-TI-en-41.pdf](https://files.sma.de/dl/7910/SI_LiIon-TI-en-41.pdf) Thank's for your comprehension.

I have a small stand alone off grid system at my cottage. With 1500w PV panels with external MPPT regulator, this is hooked up to a battery package from a Mitsubishi I-Miev, which is reconfigured to 48V and watched by a REC-BMS SI, which is communicating with the SI. What do I need to get my SI 4.4-11M to communicate with the sunny portal web interface? I have the Sunny Remote Control.

Contact us for free full report

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