

## French Guiana sunny island multicluster box

What are SMA multicluster-boxes for Sunny Island Battery inverters?

With the SMA Multicluster-Boxes for Sunny Island battery inverters, both off-grid systems and battery-backup systems\* can be configured easily and cost-efficiently.

Are sunny island inverters based on off-grid technology?

The new SMA Sunny Island 4548-US and 6048-US inverters are based on the proven off-grid technology in the Sunny Island 5048-US but now feature 20 percent more power output. A maximum efficiency of 96 percent ensures peak production, which results in reduced diesel usage in rural communities.

Are on-grid multicluster systems allowed in Europe and Australia?

\*On-Grid Multicluster systems with self-consumption at the grid connection point are not permitted in Europe and Australia. However, standard battery backup systems and the grid operating mode as generator are possible because in both cases the battery can only be charged in parallel grid operation.

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The Multicluster Box for Sunny Island 4548-US / 5048-US / 6048-US is the AC main distribution that allows the formation of a 3-phase stand-alone grid with up to 12 off-grid inverters. Figure1: Principle of a multicluster system with Multicluster Box

With the SMA Multicluster-Boxes for Sunny Island battery inverters, both off-grid systems and battery-backup systems\* can be configured easily and cost-efficiently. In regions without grid access, based on proven technology, powerful off-grid and hybrid systems with 2 to 12 three-phase clusters, each consisting of 3 Sunny Island inverters of up ...

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Les Multicluster-Boxes SMA pour onduleurs & batterie Sunny Island permettent de configurer simplement et rentablement des réseaux en site isolé; et des systèmes d'alimentation de secours\*. Il est possible d'installer dans des régions sans accès;

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Web: <https://www.gennergyps.co.za>