Uses of sunny island inverters

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With the new generation of devices, the tried-and-tested Sunny Island battery inverters are easier and more affordable to install than ever - both in your home and in commercial applications as well as to the utility grid* and in off-grid locations.

The Sunny Island has been installed more than 120,000 times worldwide. With the new generation, installers and PV system operators benefit from an even more user-friendly battery inverter.

Thanks to its integrated user interface and standard WLAN and Ethernet interfaces, the SunnyIsland can be immediately and easily configured and monitored via smartphones or tablets.

The Sunny Island has maximum flexibility, from operation in remote off-grid areas to commercial or home energy management. It gives planners total freedom in the size and type of system, the battery and the type of energy generation. Works with self-consumption systems, battery backup systems and off-grid systems.*

As a core element in the SMA Flexible Storage System, the Sunny Island temporarily stores the solar power from the system. It automatically controls the power consumption in the home in conjunction with the intelligent SunnyHomeManager 2.0 energy manager. Solar power can then be used 24 hours a day - both in your home and in commercial enterprises.*

The Sunny Island provides an efficient, safe and consistent electricity supply in commercial applications such as agricultural holdings, hotels, supermarkets and schools. It balances out load and demand peaks and takes on electricity supply during grid failures.*

Its high protection class, wide temperature range and exceptional overload capacity always provide the kind of security in the electricity supply that is needed for off-grid use. Intelligent load and energy management ensures operation even in critical situations and allows any appliance to be switched on even in the event of high inrush currents or harsh ambient conditions.

Three devices per cluster for system capacities from 24 kW to 300 kW (SI 6.0H: 6 to 36 devices; SI 8.0H: 6 to 30 devices). SI 6.0H, SI 8.0H and SI 5048 clusters can be mixed flexibly.

Regardless of the shape or size of your roof, you can make optimum use of it as a photovoltaic system with the components from Arres. The Arres in-roof solar system is particularly impressive due to its simplicity and the small number of components required for high-performance, visually appealing and long-term safe photovoltaic systems nd out more...

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