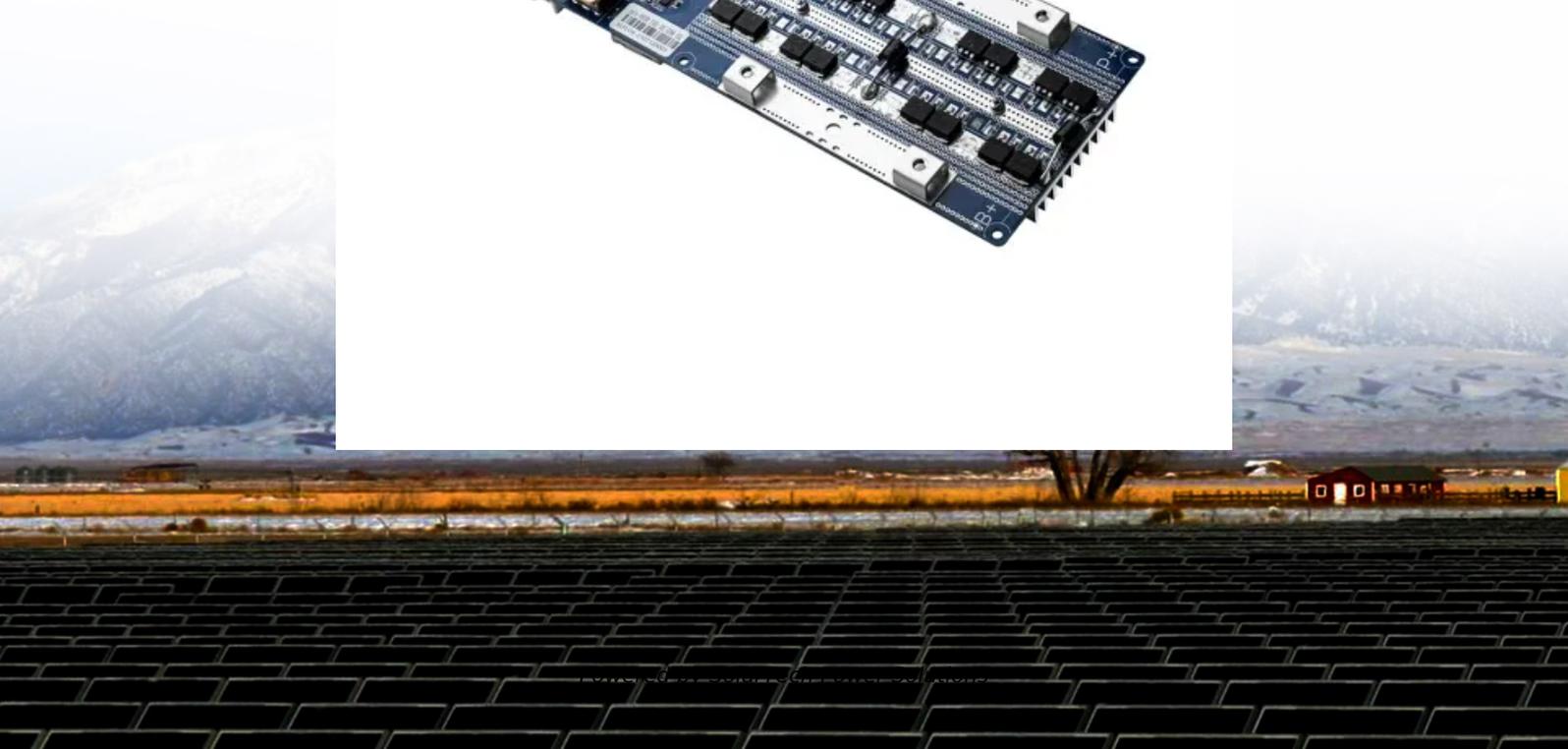
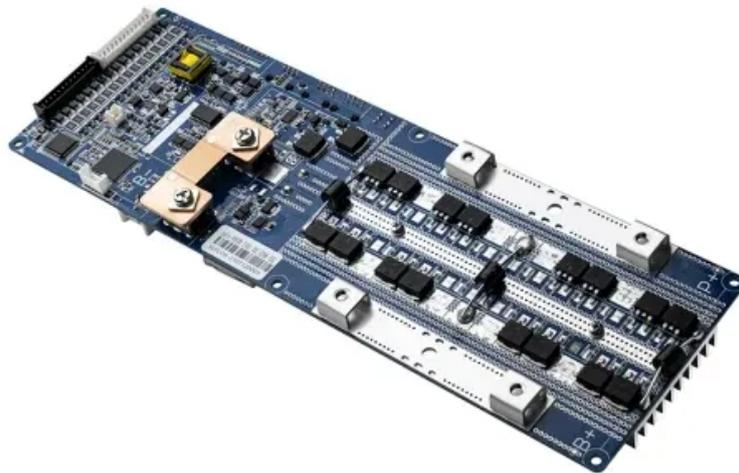


## SolarTech Power Solutions

# Regulations on the Grid-Connected Construction of Inverters for Telecommunication Base Stations in Western Europe



## Overview

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What are FERC grid reliability standards?

FERC today approved reliability standards aimed at protecting grid reliability as intermittent power generation technologies increase penetration of the grid. The standards are the latest in the Commission's series of grid reliability orders pertaining to what are called "inverter-based resources (IBRs)," most commonly wind and solar generators.

Can grid-connected PV inverters improve utility grid stability?

Grid-connected PV inverters have traditionally been thought as active power sources with an emphasis on maximizing power extraction from the PV modules. While maximizing power transfer remains a top priority, utility grid stability is now widely acknowledged to benefit from several auxiliary services that grid-connected PV inverters may offer.

How can distribution network governance be adapted to smart grid?

In light of the growth of distribution networks toward smart grid, as stated in Annex D of the standard, it is important to create a set of signals aimed at distribution network governance, e. g according with CEI EN 61850 protocol as suggested by Italian standard.

## Regulations on the Grid-Connected Construction of Inverters for Tel

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