



PV DC TRANSFORMER

250 kW 10 kV PV DC SOLID STATE TRANSFORMER FOR PHOTOVOLTAIC APPLICATIONS



Advanced technological bricks:

- SiC power devices
- Medium frequency transformer
- Oil insulation



99% efficiency for maximum energy delivery



Compact, minimising use of raw materials

*Download the
tech sheet*



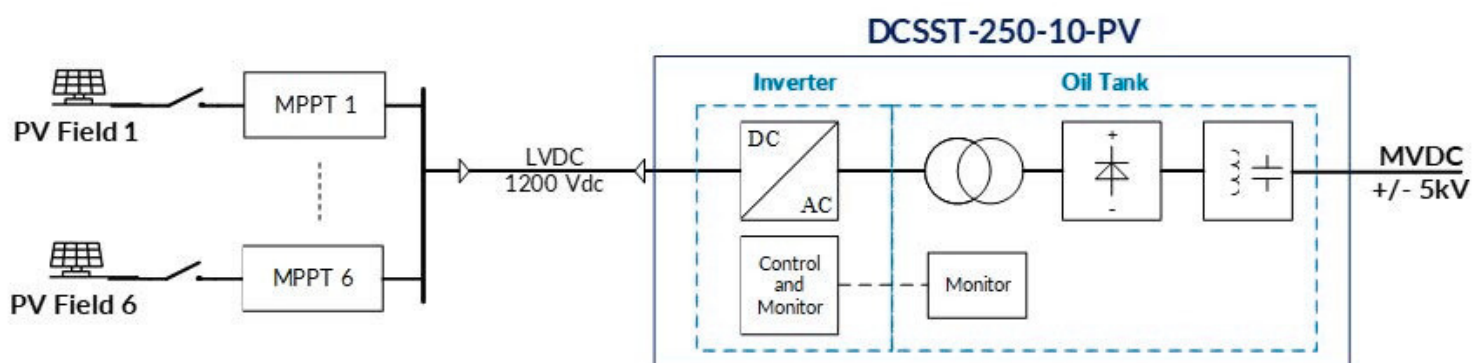
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LINEAR PHOTOVOLTAIC (PV) POWER PLANT: OPHELIA PILOT PROJECT

The OPHELIA project aims to develop the linear PV sector by making the most of long, narrow plots of land.

In this context, the distance between the PV power plant and the available AC grid substation presents an opportunity for a medium voltage direct current (MVDC) collection network. A demonstrator of such a network is being built in France.

An example topology based on multiple boost MPPT converters and our PV DC Transformer is presented below. This topology ensures high efficiency over the entire operating range (power & voltage variations) and is resistant against DC faults.



OPHELIA