

SOLAR POWER

TL INVERTERS



Quality power distribution

The range of Sirio TL inverters for photovoltaic plants uses high quality innovative technologies and components, having a large margin compared with normal operating conditions, and reaching a high level of reliability (Mean Time Between Failure > 100.000 hours). These technologies and components mean that the periodic maintenance of the equipment can be avoided without compromising the operating flexibility of any photovoltaic system and any electrical grid. Sirio TL inverters integrate protection against input and output overvoltage and are equipped with redundant control and protection devices, especially in the output phase (double relay with double control microprocessor), giving further guarantee of operability and continuity of operation.

High conversion efficiency

In small photovoltaic plants reduction of energy loss during the conversion process is essential. In the search for maximum efficiency to reduce losses, inverters of the Sirio series up to 10kWp are made without transformers and moving parts(*). This construction philosophy allows for the reduction in the footprint and weight of the inverters and increases reliability over time by eliminating the parts subjected to mechanical wear. Thanks to this "transformerless" technology, Sirio TL inverters guarantee a conversion efficiency up to 97% which is amongst the highest levels in this category.

Reliable Power