

SOLAR POWER

CENTRAL INVERTERS

Advanced communication

The Sirio Central series inverters have an intuitive man-machine interface, made up of an integrated display and keyboard with which it is possible to control the photovoltaic system's main parameters and interact with it to control its operation. The display and keyboard facilitate diagnosis and solutions to any operating problems at local level while interaction with the remote inverter is possible through the most common of media (local serial link, Local Area Network, GSM, etc.). Communication interfaces and related software are common to the family of Sirio TL inverters, which can be referred to for more detailed information.

Easy installation and maintenance

The footprint of these devices has been considerably reduced and there is no need to leave space at the side or back (except for the models up to K40) of the equipment since the electronics and power components are fully accessible from the front. Fully automatic operation ensures ease of use and facilitates installation and startup, thus avoiding installation and configuration errors which could lead to failures or reduced plant productivity.

Conformance

Sirio Central inverters with low frequency isolation transformers conform fully with European safety standards LVD and EMC and with Italian and international regulations regarding parallel connection to the public distribution network.

- Electromagnetic Compatibility Directive (89/336/EEC and subsequent amendments 92/31/EEC, 93/68/EEC and 93/97/EEC);
- CEI 11-20 Electrical energy production systems and uninterruptible power supplies connected to I and II class networks;
- CEI 11-20, V1 Electrical energy production systems and uninterruptible power supplies connected to I and II class networks;-V1
- Guide for connections to the ENEL DISTRIBUZIONE power grid, Ed. 2.2.

Personalized solutions

Tescom is able on request to supply Sirio Central inverters specific to the client's needs. Available options include the integrated isolation control and the pole/earth connection kit (positive or negative) that is required for some kinds of photovoltaic modules.

