

# SINGLE-PHASE HYBRID SYSTEM

## HIS COMPACT

### Hybrid Reliable Microgrid

#### Single-phase modular hybrid inverter for Solar & Wind generation, Batteries and Grid or Generator

#### Description

The **HIS Compact** series has been designed to provide Power Supply for those applications where accessibility to grid or cost of electricity is a big issue:

- Off-grid areas
- Rural electrification
- Electricity provided by Diesel Generators

The main feature of Zigor **HIS Compact** series of Hybrid Inverters is the capability to manage energy from various and different sources like PV Field, wind Turbines, Batteries, Diesel Generator and/or Grid.

In addition to this, the **HIS Compact** Hybrid Systems are able to accommodate and sum-up the energy from various sources while controlling all of them through its unique management system. Likewise, the HIS Compact systems are capable to manage the functioning of the assigned Gen Set, keeping them stopped when their energy is not needed.

The Zigor **HIS Compact** series of Hybrid Inverters have a modular and scalable concept where it is very easy to increase the capability by increasing the size of the PV field, the number of Wind Turbines, the power of AC input and/or the size of the battery bank.



HIS Compact

#### Features

- > Best Efficiency
- > Competitive Distributed Generation
- > Professional Rural Electrification
- > Hybrid Solar, Wind, Battery, Grid, GS
- > Reliable Energy Micro Grid
- > Maintainable, Modular and Scalable
- > Easy to Transport, Install and Repair
- > Web Server Remote Monitoring (optional)
- > Compatible with Lithium Batteries
- > Maximum power point tracking (MPPT) for renewable inputs
- > Protection against: Inverse polarity, short circuits, over voltages, isolation failure with relay output
- > Galvanic isolation through the transformer

#### Connectivity and accessories

##### > HIS Compact Web server integrated (optional)

The Hybrid Inverter from **HIS Compact** Series is equipped with an internal Web server program to provide full access to the system, to monitor in real time the status and variables of the operation as well as to communicate with them.

The beauty of this communication facility is that the user doesn't need any special software to be loaded into the computer or a special communication hardware to be configured for it. By having an Ethernet network (TCP/IP), giving a valid IP address to the Hybrid Inverter and launching a Internet Browser, the user gets direct access to all information about the HIS Compact System, this is:

- Status
- Parameters
- Events log
- Alarms

This unique tool provides the user a graphic and friendly environment to completely monitor and manage the HIS Compact system. The Web server is also capable to advise the user by sending mails, about any possible dysfunction of the System. This allows not only to reduce inoperative time of the system but to improve maintenance tasks and the availability of the System.

on-grid solar plants

mid voltage solar plants

hybrid generation

energy saving

telecom back up

wind energy



NON - STOP POWER

ZIGOR