

### ZIGOR SOLAR OUT5

Single-phase on-grid string inverters range with transformer

#### Description



The ZIGOR SOLAR OUT5 range of solar inverters is designed to cover the needs of all mains-connected solar generation plants. The ZIGOR SOLAR OUT5 combines design and versatility with ease of operation. An outstanding feature of ZIGOR SOLAR OUT5 inverters is their 94% efficiency with transformer. The ZIGOR SOLAR OUT5 stands out for its communication via RS-485 with the centralised ZIGOR SWS100, supervision and control system and all its parameters can be set up locally.

EL ZIGOR SOLAR OUT5 works at DC voltage range between 235-750 Vdc and is IP65 rating.



ZIGOR SOLAR OUT5

#### Features

- > Maximum power point tracking (MPPT)
- > High energy efficiency, higher than 94%
- > Very low harmonic distortion, THD < 4%
- > Direct mains connection
- > Unlimited parallel connection arrangements
- > Anti-islanding protection with automatic shut down
- > Monitoring from the unit with LCD
- > Protection against: inverse polarization, short-circuits, over-voltages, isolation failure
- > Range of input voltages (235-750 VDC)
- > Built-in communications RS-485
- > Compact size, light weight, easy installation
- > Includes isolation transformer
- > Remote monitoring system: ZIGOR SWS100: communications system, parameter display, inverter records control, production data storage etc. (Optional)

#### Connectivity and accessories

##### > ZIGOR SWS200

The ZIGOR SWS100 monitoring system is a platform for monitoring and register variables, check and modify the settings as well as customise all parameters from the ZIGOR SOLAR OUT5 inverters. (Optional)

on-grid solar plants

mid voltage solar plants

hybrid generation

energy saving

telecom back up

wind energy



**ELECTRICAL CHARACTERISTICS**

<b>Model</b>	<b>ZIGOR SOLAR OUT5</b>
Reference	20101
Max. output power	5,8 kWp
Continuous output power AC	5 kW
Nominal DC voltage	5,5 kW
Nominal AC voltage	230 VAC single-phase
Nominal frequency	50 Hz
Power factor	> 0.99 to more than 20% of nominal power
Máxima corriente de línea AC	29 A
Distorsión corriente AC	< 4% THD at nominal power
Maximum open circuit voltage DC	750 V
Power tracking range (MPPT) DC	235 to 750 V
Maximum input current DC	20 A
European efficiency	94% (includes transformer)

**ENVIRONMENTAL AND ENVIRONMENTAL CHARACTERISTICS**

Range of ambient temperature	-25°C to +60°C
Type and grade of environmental protection	IP65
Weight	65 kg
Dimensions (HxWxD) mm	554 x 400 x 264
Altitude	Up to 1500 m without power loss
Relative humidity	0 to 90% without condensation

**GENERAL CHARACTERISTICS**

Refrigeration method	Forced ventilation
Protection functions	Over / Sub-voltage AC Over / Sub-frequency Overcurrent AC and DC Overvoltage DC
User screen	LCD
Brakers (AC and DC)	External
Isolation transformer	Built-in
Equipment supervision: self diagnostic	Yes
Data acquisition and recording	Adjustable
ZIGOR SWS100 (option)	Telephone modem Remote failure control Monitoring programme

**STANDARDS**

Marks	CE
Directives	73/23/CEE-93/68/CEE 2004/108/CEE
Standards	UNE-EN 50178 61000-6-1, 61000-6-2, 61000-6-3, 61000-6-4 EN 61000-3-2, EN 61000-3-3 EN 55022

*These specifications may be changed without notice.*