

## SINGLE PHASE INVERTERS

### SUNZET 5 OUT

#### Single-phase on-grid string inverters range with transformer

##### Description



The SUNZET 5 OUT combines design and versatility with ease of operation. An outstanding feature of SUNZET 5 OUT inverters is their 94% efficiency included it transformer.

The SUNZET 5 OUT stands out for its communications via RS-485 with the centralised SWS 100, supervision and control system and all its parameters can be set up locally. The SUNZET 5 OUT works at DC voltage range between 235-750 VDC and is IP65 rating.



Sunzet 5 OUT

##### 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 polarity, short-circuits, overvoltages, isolation failure
- > Range of input voltages (235-750 VDC)
- > Built-in communications RS-485
- > Compact size, light weight, easy installation
- > Includes isolation transformer
- > Remote SCADA (SWS 100): communications system, parameter display, inverter records control, production data storage etc. (optional)

##### Connectivity and accessories

###### > SWS 100

The SWS 100 Scada system is a platform for monitoring and register variables, check and modify the settings as well as customise all parameters from the SUNZET 5 OUT inverters. (optional)

See more information about connectivity and accessories on page 38

on-grid solar plants

mid voltage solar plants

hybrid generation

energy saving

telecom back up

wind energy



NON - STOP POWER



**ELECTRICAL CHARACTERISTICS**

<b>Model</b>	<b>Sunset 5 OUT</b>
Maximum recommended PV 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
Maximum line current AC	29 A
Current distortion 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% (including transformer)

**ENVIRONMENTAL AND MECHANICAL FEATURES**

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

**GENERAL FEATURES**

Refrigeration method	Forced ventilation
Protection functions	Over/Sub-voltage AC Over/Sub-frequency Overcurrent AC and DC Overvoltage DC
User screen	Standard LCD
Brakers (AC and DC)	External
Insulation transformer	Built into inverter
Equipment supervision SELF DIAGNOSTIC	Yes
Data acquisition and recording	Adjustable
SWS 100 SCADA (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.*