

# SOLO 1000-D

PV Inverter 1000 kW

D Series

**Preliminary**

**New: Up to 1100 V  
PV Input**

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- New Technology (patent pending)
- Wide PV Voltage Input Range: 500V...1200V
- PV Inverter with high Efficiency: 98.7%
- Minimal Heat Dissipation in the Installation Room
- Enhanced Temperature Range: -25°C to +55°C
- Extended Elevation up to 3500m above Sea Level available
- Outdoor Version with Protection Class IP 65

The Woodward IDS SOLO photovoltaic inverter series with liquid cooling is used in grid connected photovoltaic applications.

To minimize power loss during the conversion process, the SOLO inverter's switching technology uses IGBTs.

The inverter has two MPPT (maximum power point tracker) inputs, to optimize energy yield.

Woodward IDS technology is approved in many years of grid feed-in applications especially in weak grid regions.

All components and control algorithms have proven high efficiency and stability under demanding conditions.

The SOLO inverter is delivered fully parameterized and ready for use.

## Features

- Night time standby with almost zero power loss
- Low AC- noise (white noise) due to wide-band pulse width modulation
- Highly reliable due to advanced control strategies
- Monitoring and diagnostics on colour touch screen and via internet (Woodward IDS Web Portal)
- Integrated data logger collects all important operation data
- Maximum Power Point Tracking (MPPT)
- Eight separately switchable PV Inputs
- Automatic start up and shut down

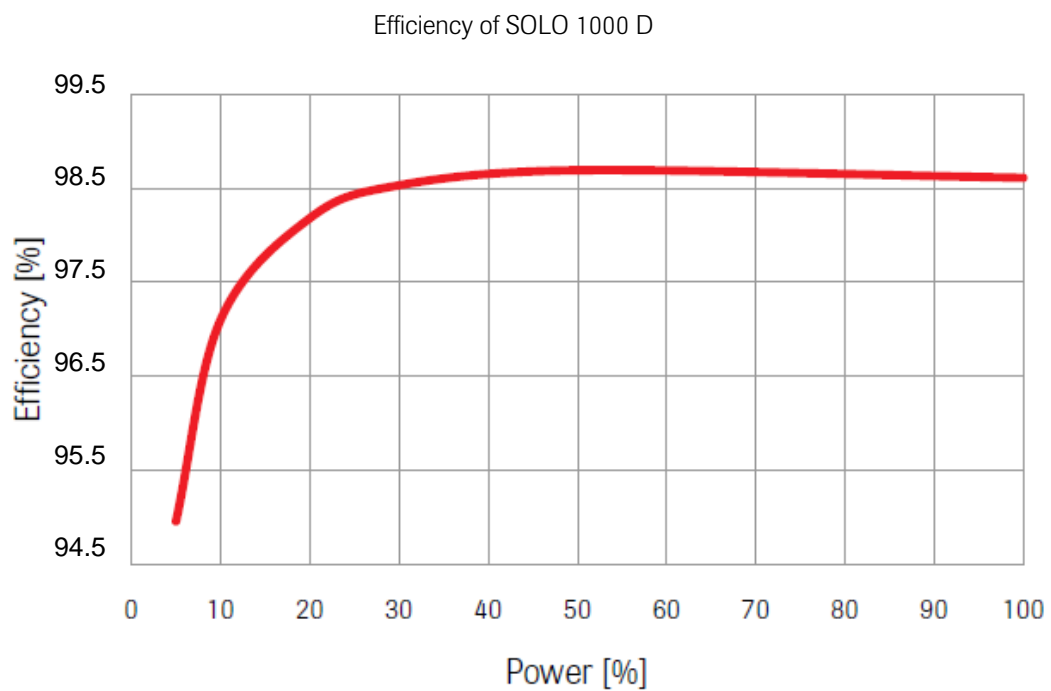


## PV INVERTER SOLO 1000-D

### Broad Number of Options for SOLO Inverters

- Extended ambient temperature range (-25°C...+55°C)
- Unique on the market: Extended version for installation height up to 3500 m above sea level
- Communication interface: TCP IP, Modbus, GSM or line modem
- Customer tailored service and maintenance contract
- Different PV grounding concepts possible
- Power limitation due to commands by grid operator

### High Efficiency

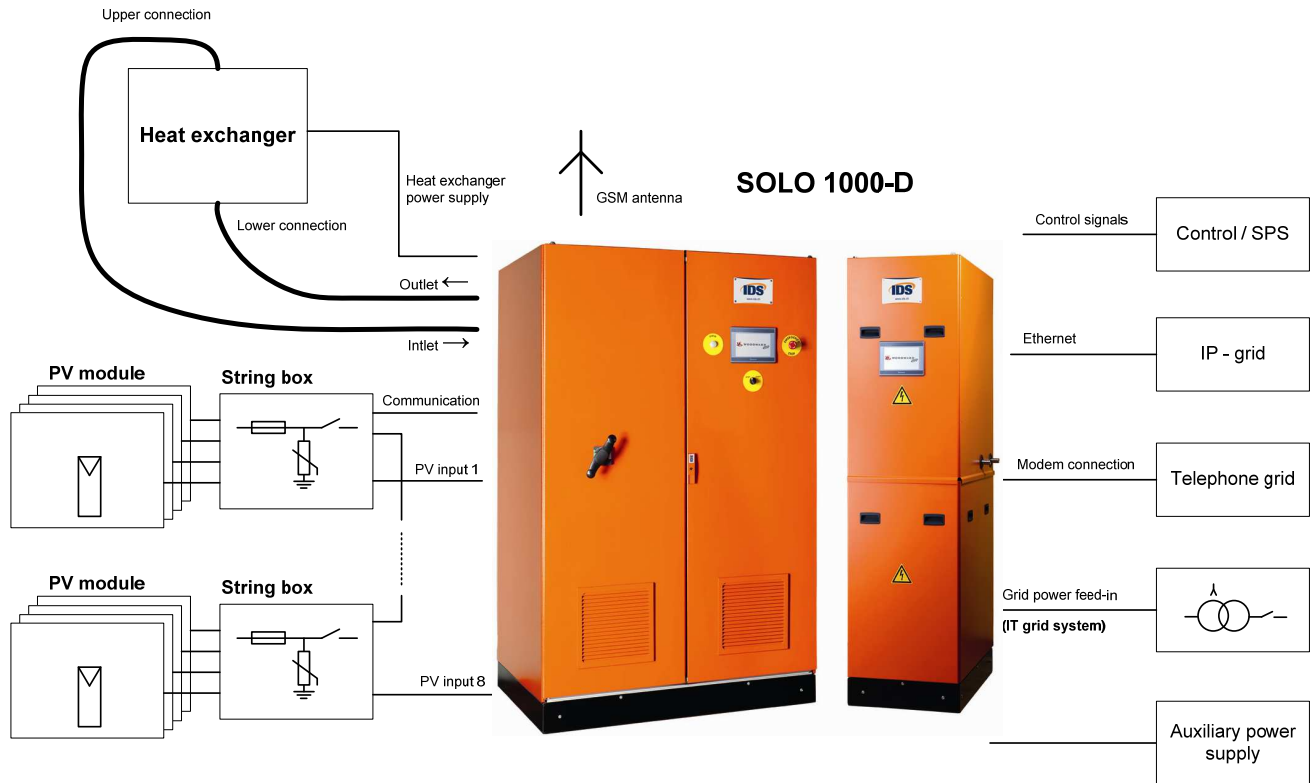


Total efficiency: Euro eta: 98.3%

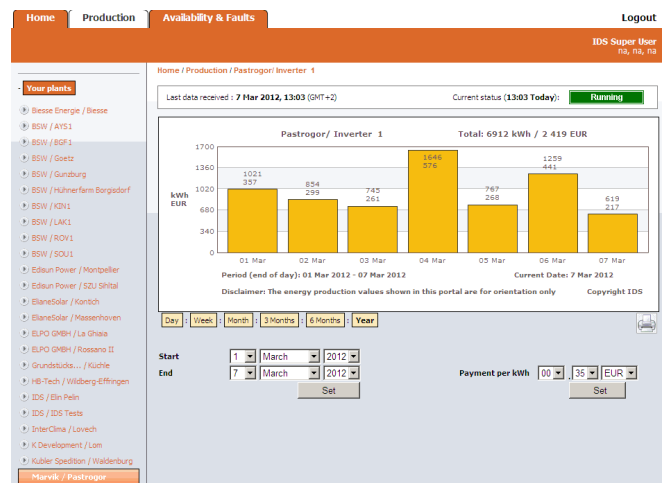
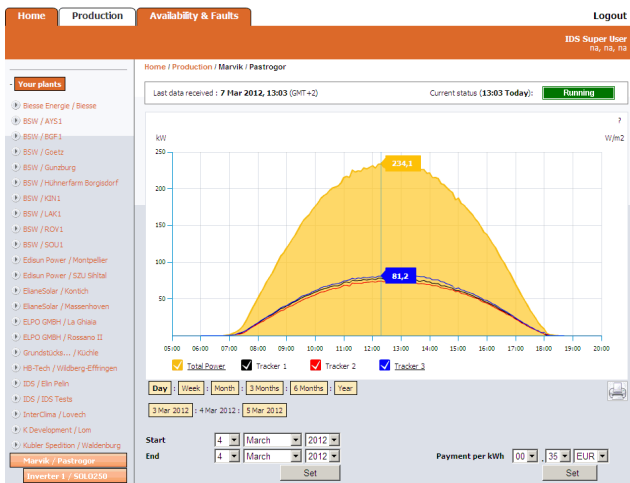
# PV INVERTER SOLO 1000-D



## SOLO System



## Woodward IDS Web Portal



Woodward IDS Web Portal shows inverter's production / earning for a day / week / month / 3 month / 6 month / year

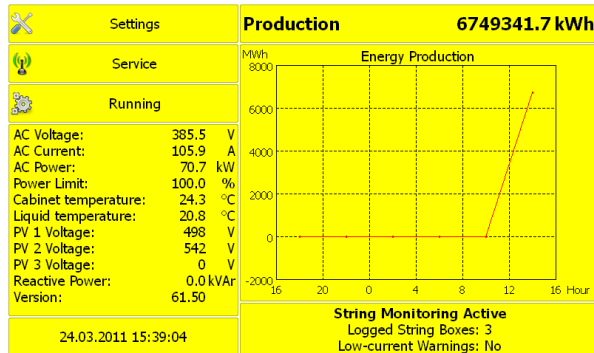
- Easy www access to all your PV inverters
- 24 h-monitoring of each SOLO inverter
- General information about your plant(s) / inverter(s)
- Energy production for a selected period

- Broad availability and fault list
- Energy production of plant / inverter / tracker
- Overlaid weather graphics – sun irradiance, temperature (panel and ambient), wind speed

# PV INVERTER SOLO 1000-D



## Touch Screen Panel as Man-Machine Interface



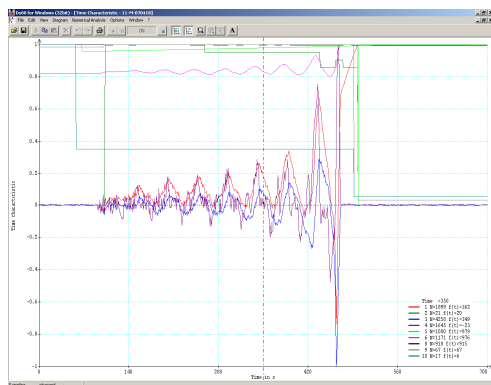
Main Page of integrated Touch Screen

- Configurable display of energy production
- Comfortable parameter configuration
- Efficient built-in diagnostics functions
- Data logger readout and built-in data analysis for remote diagnostics
- Several access levels

## Remote Diagnostics (RDS), 24 hours / 7 days possible

The Woodward IDS SOLO inverter is designed to work maintenance free over the lifetime in the specified wide working range. Nevertheless experience with the grid quality shows that extreme situations can occur.

Woodward IDS offers a full service to guarantee the highest possible system availability. You do not have to worry about warning messages of your inverter. Woodward IDS experts continuously monitor your system remotely and start adequate actions. Many problems can even be diagnosed before a system actually fails.



RDS monitoring

- View your inverter in real time
- Behaviour analysis
- Broad availability and fault list
- Diagnostics
- Technical investigation

## Available Versions

Indoor Types	Outdoor Types	AC-Nominal Power	Number of Inputs	Number of MPP Trackers	Max. DC-Current per Input
SOLO 1000-D	SOLO 1000-D EXT	1000 kW	8	2	280 A

Furthermore inverters for 100 kW, 200kW, 250 kW and 500 kW for indoor and outdoor application are available.

Woodward IDS can deliver as well complete SOLO Inverter Stations for 500 kW, 750 kW, 1000 kW and 1500 kW.

Subject to change, April 2012

## Ordering Information

For technical, commercial and ordering information from Western Europe and the rest of the world please contact us at:

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