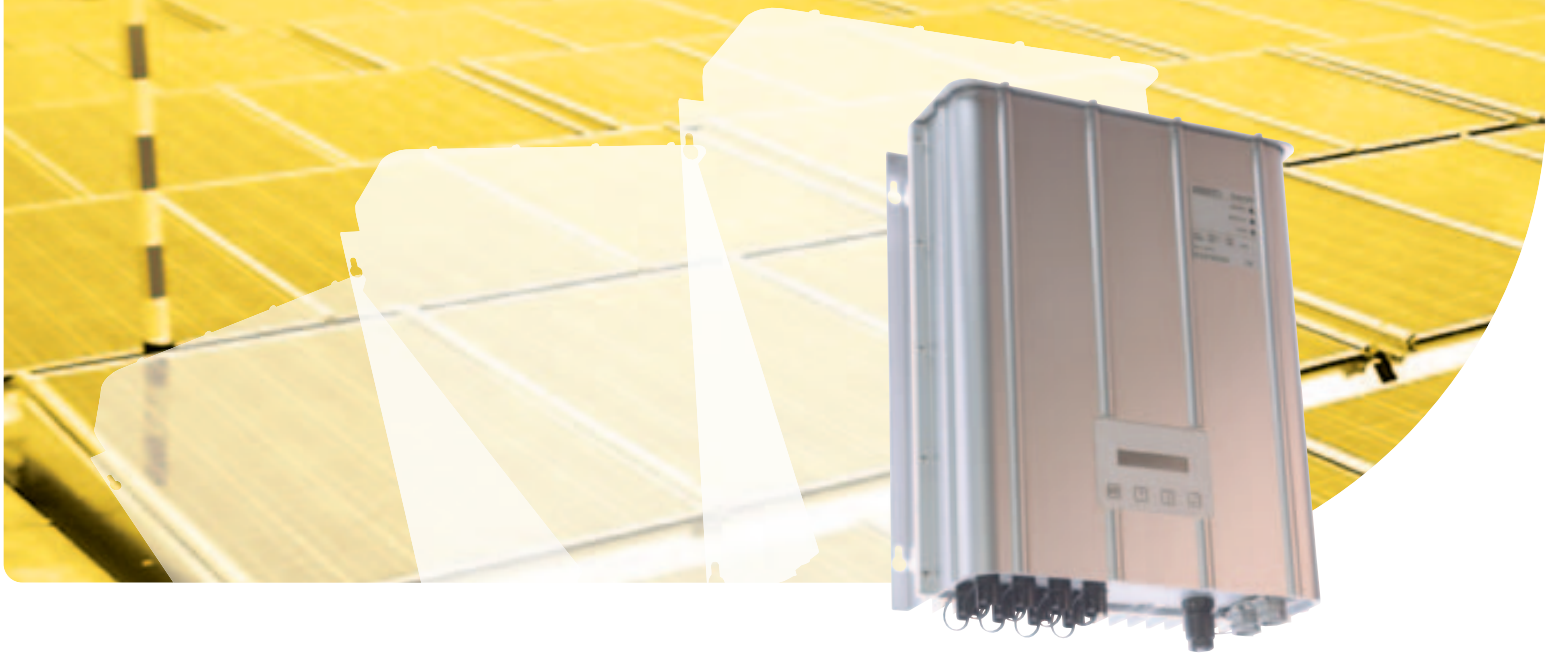
.renewable energy

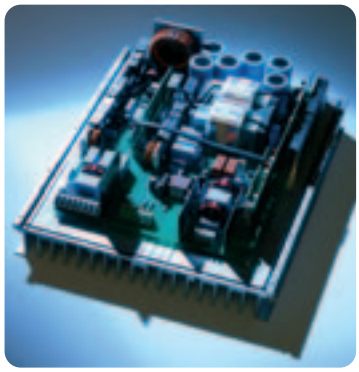
EXENDIS

GridFit 1900 | 2200 | 2500

Reliable Industry Quality



THE GRIDFIT PROVIDES RELIABLE FUNCTIONALITY
A quick look inside the inverter will demonstrate its high quality standards. Extensively tested and checked, the GridFit delivers extremely reliable operating safety under all conditions.



SIMPLE INSTALLATION
The GridFit can be simply and quickly installed in both indoor and outdoor areas. With a weight of just 13 Kg, it is even easier to handle.

USER FRIENDLY PLUG AND PLAY
Thanks to the automatic recognition of RS 232 or RS 485 interface, "Plug and Play" really is the case. The GridFit can provide you with comprehensive PC data via GridLog and GridSafe.

CONFORMITY
The GridFit conforms with VDEW standards (Union of German Electricity Producers) and fulfils all of electricity producer requirements. An important plus point to this inverter is the galvanic separation, which ensures both reliability and safety.

QUALITY
Developed and produced by a world's largest manufacturer of power supply units. In order to ensure a high level of quality, all GridFit devices are tested in a "Burn In" climate chamber and are thoroughly tested. Only after it has passed these tests a device is released for sale.

EXENDIS

INPUT	GRIDFIT1900	GRIDFIT2200	GRIDFIT2500
Nominal power	DC 2100 W	DC 2440 W	DC 2750 W
Maximum PV generator	2300 Wp	2640 Wp	3300 Wp
UMPP voltage range	180 V DC - 350 V DC	200V DC - 350V DC	150 V DC - 350V DC
Operating range	125V (150V) - 400V	125V (150V) - 400V	125V (150V) - 400V
Input voltage	0V DC - 400V DC	0V DC - 400V DC	0V DC - 400V DC
Input current range	0A - 8 A DC	0A - 12 ADC	0A - 18 ADC
OUTPUT			
Nominal power	1900 W	2200 W	2500 W
Nominal voltage	230 V AC	230V AC	230V AC
Voltage range	230V AC, -10% , + 6%	230VAC, -10% , + 6%	230VAC, -10% , + 6%
Nominal current	8.3 A	9 A	10.9 A
Frequency	50 Hz; +/- 0.4%	50 Hz; +/- 0.4%	50 Hz; +/- 0.4%
Power factor	0.98	0.98	0.98
Distortion factor	< 3%	< 3%	< 3%
Maximum efficiency	> 94%	> 94%	> 94%
European efficiency	> 92%	> 92%	> 92%
MECHANICAL DATA			
DC Connection	1 String on DC TYCO	4 String on DC TYCO	4 String on DC TYCO
Housing	Aluminium	Aluminium	Aluminium
Convection cooling	yes	yes	yes
Weight	13 Kg	13 Kg	14.5 Kg
DIMENSIONS			
Length	404 mm	404 mm	470 mm
Width	333 mm	333 mm	333 mm
Height	143 mm	143 mm	143 mm
ENVIRONMENTAL CONDITIONS			
Ambient temperature	-25°C to +60°C	-25°C to +60°C	-25°C to +60°C
Relative humidity	95%	95%	95%
Protection class	IP65	IP65	IP65

MONITORING*	
Display	3 LED's for displaying status and error messages, integrated LCD function display
External communication	RS 232 or 485 (automatic recognition of RS 232 or 485)
Data logging	GridLog Local / GridLog Profi / GridSafe
STANDARDS*	
Inova	CE, GS, EN 60950, VDEW conformity
WARRANTY*	
Product warranty	5 years

* Data for all inverters.

SAFETY AND MONITORING GRIDLOG LOCAL

The GridLog Local monitoring system is used for the local monitoring, evaluating and analysing of a photo-voltaic system. Via a built in interface, the GridLog is linked locally to the PC and can evaluate, analyse and monitor the connected system by means of an added software application. The system data can also be read on the PC (without a data line) by using a removable memory chip. The GridLog Local monitoring system provides cost effective monitoring and safety for any photo-voltaic system with GridFit inverters.

OPTIONAL ACCESSORIES

Radiation sensor for connection to GridLog.

OVERVIEW OF GRIDLOG LOCAL FUNCTIONS

- Local Data logging GridLog for recording measured data and alarm.
- Connection of an energy counter and a radiation sensor.
- Direct connection of the inverter to the local GridLog.
- Link a local PC via an Ethernet interface.
- PC software for evaluating and analysing data.

GRIDLOG PROFI

Intelligent Techonology for Intelligent Energy Usage GridLog Profi was developed for users and operators of photo-voltaic systems with GridFit inverters. GridLog Profi is based on a high-tech mini web server, which is fitted with digital and analogue interfaces that inexpensively transmit all measured data via email in a split second using a built in GSM modem. The decentralised energy and system data is processed in a central data bank. It is possible to access the data bank at any time from anywhere in the world via a protected internet access.
GridLog takes on remote monitoring as well as local monitoring and sounds an alarm when an error occurs. It is possible for you to set the desired alarm function yourself (fax, e-mail, SMS). An acoustic or optical alarm can be set up locally on site.

OVERVIEW OF GRIDLOG PROFI FUNCTIONS

- Decentralised compilation of your PV system energy data.
- Remote reading of electricity counters.
- Cost effective and automatic data transfer via e-mail.
- Access to data bank from anywhere worldwide via Internet.
- Simple operation even for inexperienced personnel.
- Balanced safety and access concept.
- Alarm message as fax, e-mail or SMS.
- Optional: local acoustic and optical alarm functions.
- Connection for current sensors (DC/AC).
- Communication via GSM network.

ADVANTAGES

Our GridLog Profi and GridSafe monitoring systems make it possible to monitor your solar plant round the clock. The data is compiled on site by GridLog and transferred to our server computer via GSM network where a detailed analysis is carried out. In the event of deviation, the responsible electrician will be informed. Your plant data can be read out any time from any Internet access in the world using a password.

ADVANTAGES

- The data is already comprehensibly processed.
- You do not need any Excel knowledge.
- No additional telephone system or reserved number for ISDN systems is required.

Display and monitoring of your photo-voltaic system via GSM mobile network and internet platform with GridLog Profi and GridSafe.

- Measure up to four analogue inputs (e.g. insolation, temperature).
- Analysis of up to four energy counters.
- Report generator.
- Registration of an insolation sensor.
- Evaluation of system functions.
- Quick alarm.
- Calculation of counter status.
- Account of environmental contribution.
- Detailed monitoring of PV system.
- Automatic cost-effective transfer of data via email.

GRIDSAFE

GridSafe is the link between modern information technology (IT) with data from the most secure weather station network and the most comprehensive weather database in Europe. The weather data is provided for GridSafe by Meteomedia AG and famous TV meteorologist Jörg Kachelmann. GridSafe ensures the yield of your solar plant and therefore your investment in solar energy. The yield data of your solar plant flow into an internet protected database. The registered energy yield is automatically compared in a second with the target value of the weather data. Deviations between the target / actual values will automatically start the GridSafe alarm management.

OVERVIEW OF GRIDSAFE FUNCTIONS

- Securing of investment during operating periods.
- Actual/TARGET comparison by simulating your solar plant.
- Quick recognition of failures and low yields.
- Multi level alarm management.
- Alarm by fax, SMS, e-mail.
- Direct notification of your electrician (option).
- Visualisation of your solar plant on the Internet / on your website (option).
- Daily / monthy / annual analysis.
- Solar account: insight into refinancing at any time.
- Balance of yield with your network operator (option).

VIRTUAL POWER STATION

Portrayal of your contribution to climate protection and your effect on the building of an environmentally friendly energy supply system. GridSafe makes energy generation visible via the Internet. GridSafe will manage your solar account and will balance your energy yield directly with your energy provider. GridSafe customers are informed at all times about their "solar account balance" and the refinancing of their solar plant.

DETAILED INFORMATION?

To learn more about our products or to receive detailed information with extensive product specifications, please contact your EXENDIS Sales Representative or visit our website.

EXENDIS

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