



FRONIUS IS

STAND-ALONE INVERTER



POWERING YOUR FUTURE



THE LUXURY OF MORE ENERGY

FRONIUS IS inverters mean completely new perspectives for anyone planning a stand-alone system: Simply connect the required inverter in parallel and enjoy new levels of convenience. If you need more electricity, simply install more stand-alone inverters. An extremely easy way to supply power to additional electrical devices. All this in multiphase operation as well. Did someone mention weight? Perhaps not, but at only 8 kg the FRONIUS IS inverter is the lightest in its class, yet it punches well above its weight.

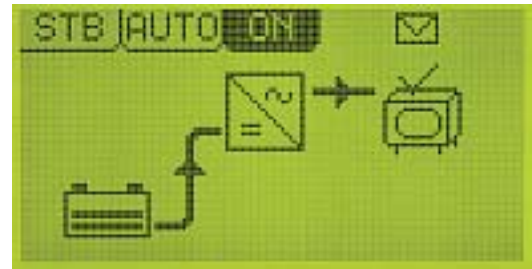
THE NUMBER ONE IN PARALLEL OPERATION

Extending a system has never been so easy

The FRONIUS IS allows you to upgrade your system as required. So there's no need to decide in advance on a maximum size for the system. If your power requirement increases, this can be accommodated by connecting inverters in parallel.

It's as simple as that.

Even high-voltage current is not an issue: Multi-phase systems are both quick and straightforward to set up. Up to 15 inverters can be connected in parallel in a multi-phase system. As much current as you need, as heavy-duty as you like, and simpler than you would think possible. This is the principle behind FRONIUS IS stand-alone inverters.



Simple overview. A quick glance at the graphical display is all that is needed to assess the overall operational situation.

STB		AUTO		ON
P	:	2130W		
E _{out}	:	274kWh		
U _{BAT}	:	24.4V		
I _{BAT}	:	93.8A		

Precise values. In alphanumeric mode the intuitive display shows precise measured and analysed values.

PRACTICAL DESIGN

Carefully designed and fail-safe

FRONIUS IS inverters are compact, robust, and their self-explanatory graphical display also makes them extremely user-friendly. They are extremely easy to install. The high-frequency transformer technology used means that these devices are remarkably light, and their practical design also means that no specialised knowledge is necessary when installing them.

From the outset, Fronius has striven to make all its equipment as fail-safe as humanly possible. But if anything should unexpectedly go a little wrong, the service engineer can simply replace circuit boards on site. Quick and user-friendly. The sophisticated modular design opens up all kinds of possibilities.

EVERYTHING AT A GLANCE

Informative display

The graphical display is a highlight in itself, in the truest sense of the word. The backlit display highlights all the essential inverter mode parameters in a self-explanatory way. Each individual display value can be selected using function keys, and the entire system is displayed alphanumerically as well as graphically. You can retrieve, for example, current data on battery charge status, battery temperature, energy consumed, consumption values and much more. As an optional extra, you can also enjoy the luxury of your own remote control: This allows you access to all information, wherever you wish to install this additional display. Only Fronius inverters give you this level of convenience - because we won't leave you in the dark.



On-site service. The modular design of the inverter and on-site servicing by our engineers will keep your system up and running. Circuit board replaced – the inverter is working perfectly again immediately.



Durable. The robust metal housing ensures that the device can stand up to even the most demanding operating conditions.



Future-proof. The interfaces are even now being designed with future innovations in mind.



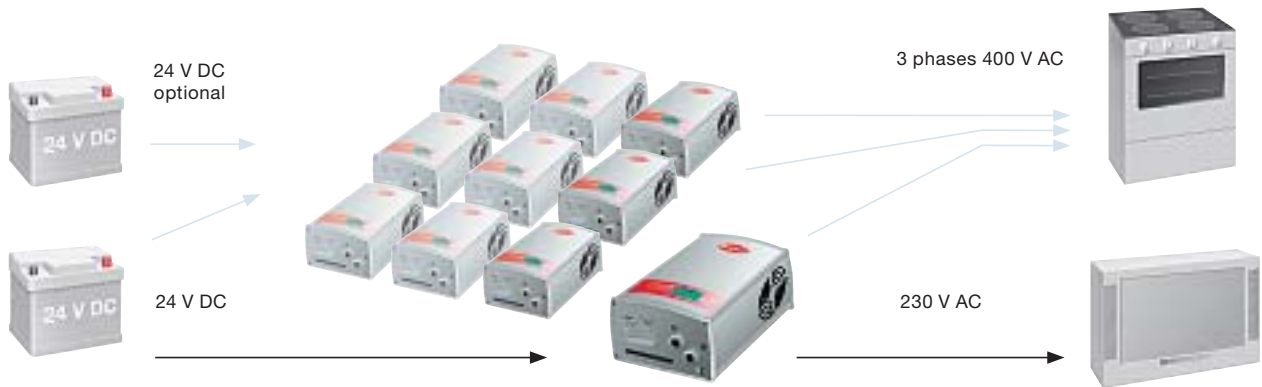
Compact. High-frequency transformer technology makes these devices remarkably light, compact and simple to install.

A STRONG FAMILY OF PRODUCTS

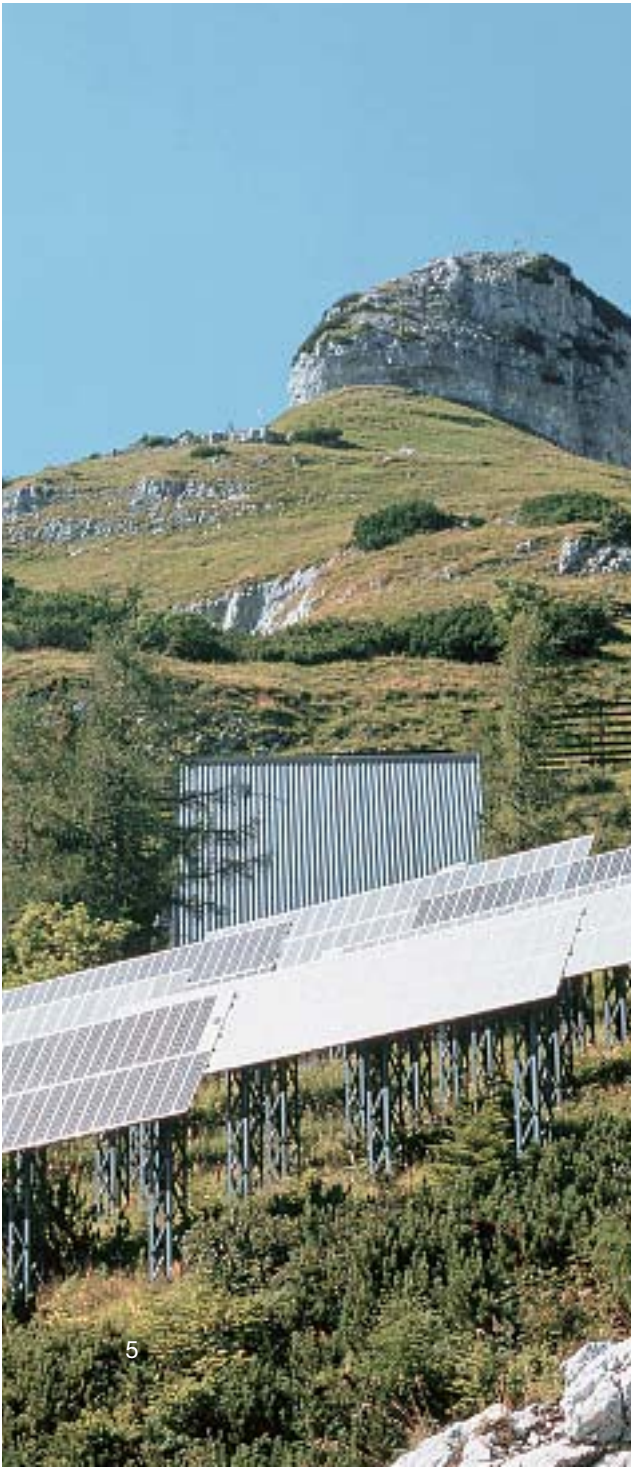
The advantages of bringing two worlds together

The FRONIUS IS is the most recent addition to one of the most successful families of inverters in the world. The best of both worlds meet in this inverter: The advantages of high-frequency transformer technology from the networked FRONIUS IG series are combined with the many years of experience that have been invested in Solarix stand-alone inverters. The output potential of the FRONIUS IS is therefore guaranteed for many years into the future. Easy installation, intuitive operation and fail-safe are prerequisites for all Fronius devices. Its decades of experience in high-frequency transformer technology has now brought Fronius to a point in its development that enables it to produce impressively high-performance, yet extremely small and light inverters.

1 - 15 x FRONIUS IS



Simply connect in parallel. If more power is needed, simply connect additional inverters in parallel – even in multiphase operation. Up to 5 inverters per phase, giving a total of 15 in a system.



Flexible. The inverters can easily be connected in parallel, even in multiphase operation.

Robust. High stability combined with first-rate processing.

Easy to use. Intuitive operator interface, with remote control if required.

Tried in the field. Its maturity is reflected in a wealth of features: For instance the floating contact for easy signalling of the system status.

Compact. Thanks to tried and tested high-frequency transformer technology and modular design, all devices are extraordinarily powerful, yet also extremely light and easy to install.

On-site service. Software updates or repairs can be carried out easily on site. The device does not need to be uninstalled and sent off. The system has already demonstrated that it is worthy of its place in the FRONIUS IG range.

THE FRONIUS **IS** STAND-ALONE INVERTER

Every FRONIUS IS of course complies with all the necessary guidelines and standards, and carries the **CE** mark. More information can be found at www.fronius.com under "Downloads".

INPUT DATA FRONIUS IS	15-24 V	15-48 V	30-24 V	30-48 V
Nominal battery voltage	24 V	48 V	24 V	48 V
Input voltage range	19V - 32V	38V - 60V	19V - 32V	38 V - 60 V
Internal consumption (OFF/STB/AUTO/ON)	0W/4W/6W/16W	0W/4W/6W/16W	0W/4W/6W/16W	0W/4W/6W/16W

OUTPUT DATA				
Nominal output	1200 VA	1200 VA	2200 VA	2200 VA
Load detection from	3W	3W	3W	3W
Cos-Phi	0,3-1	0,3-1	0,3-1	0,3-1
Maximum efficiency	92,5 %	92,5 %	93 %	93 %
Output voltage	230 V + /- 10 %	230 V + /- 10 %	230 V + /- 10 %	230 V + /- 10 %
Output frequency	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz	50 Hz / 60 Hz
Distortion factor	< 3,0 %	< 3,0 %	< 3,0 %	< 3,0 %
Voltage form	sine wave	sine wave	sine wave	sine wave

GENERAL DATA	
Potential-free contacts (2x)	12 A / 250 V
Weight	8 kg
Dimensions (l x w x h)	384 x 267 x 181 mm
Protection	IP 20
Conformity	CE
Operating temperature	-20 to +50°C
Warranty	2 years
Parallel connection / 3-phase operation (optional)	up to 15 devices (5 per phase)

SAFETY	
Short circuit proof / overload proof	YES / YES
Excess temperature protection	YES

We reserve the right to make amendments.



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