

# FRONIUS STRING CONTROL 100/12

/ Professional string control of up to 12 module strings

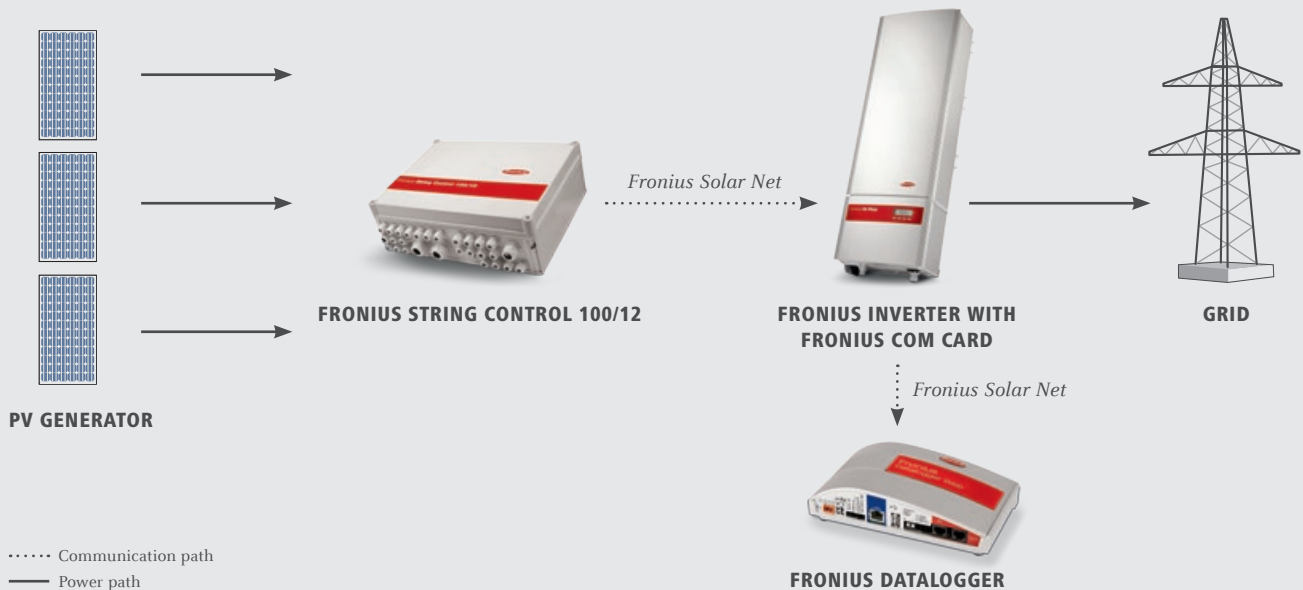


/ The Fronius String Control 100/12 can be used for comprehensive monitoring and bundling of up to 12 module strings at a current carrying capacity of 100 A max. Two measuring channels continuously compare the string currents and promptly and clearly signal even the smallest fault occurring anywhere in the system. Additionally, the use of string fuses puts the Fronius String Control 100/12 in the ideal position to protect the module from excessive reverse currents.

## FRONIUS STRING CONTROL 100/12

TECHNICAL DATA	
Max. number of strings	12
Max. input current	100 A
Max. input current per string	20 A
Max. input voltage	600 V
Connections (DC in)	Terminals, 1.5 mm <sup>2</sup> – 10 mm <sup>2</sup> (with max. cable diameter of 7 mm)
Connections (DC out)	M12 cable lug, max. 95 mm <sup>2</sup>
Connections Fronius DATCOM	Two RJ 45 or terminals
Environmental conditions	-25°C to +60°C
Degree of protection	IP 55
Power supply	12 V DC (optional)
Size (height x width x depth)	330 x 440 x 145 mm
Weight	5 kg

## CONFIGURATION



## BENEFITS OF STRING CONTROL 100/12 IN DETAIL

### / Professional monitoring of string currents

The Fronius String Control 100/12 continuously compares the string currents on the PV system. In combination with Fronius DATCOM software (e.g. Fronius Solar.access or Fronius Solar.web), faults in the system such as shading or cable breaks are signalled immediately, providing clear and transparent information to allow straightforward evaluation of the issue. Fault messages are sent directly to the system operator by e-mail, text message or fax, hence facilitating convenient remote monitoring. This allows faults to be rectified quickly and potential losses in terms of yield to be avoided.

### / Bundling of up to 12 module strings

The Fronius String Control allows up to 12 module strings of 100 A max. to be combined on one main DC cable. This is of particular benefit when larger distances (from the PV modules to the inverter) are involved, or where there is a large number of strings.

### / Module array protection

The use of string fuses means Fronius String Control 100/12 also protects the module array. This ensures effective protection of the modules.

### / Outdoor installation

The robust housing and IP 55 protection make the Fronius String Control 100/12 ideally suited for outdoor installation. No wall bracket is needed.

/ The Fronius String Control 100/12 was developed specifically for use with Fronius IG Plus inverters.

/ Perfect Welding / Solar Energy / Perfect Charging

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/ Whether welding technology, photovoltaics or battery charging technology – our goal is clearly defined: to be the innovation leader. With around 3,000 employees worldwide, we shift the limits of what's possible - our record of over 1,000 granted patents is testimony to this. While others progress step by step, we innovate in leaps and bounds. Just as we've always done. The responsible use of our resources forms the basis of our corporate policy.

Further information about all Fronius products and our global sales partners and representatives can be found at [www.fronius.com](http://www.fronius.com)

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