



SHIFTING THE LIMITS

FRONIUS STRING CONTROL 250/30

FRONIUS STRING CONTROL 250/30 DCD DF

/ Professional monitoring of up to 30 module strings



/ The Fronius String Control 250/30 and Fronius String Control 250/30 DCD DF have been specially modified to meet the requirements of central inverters. With a current carrying capacity of 250 A and maximum voltage of 1000 V, the Fronius String Control is the ideal device for monitoring and connecting up to 30 strings when using Fronius Agilo inverters.

FRONIUS STRING CONTROL 250/30 AND FRONIUS STRING CONTROL 250/30 DCD DF

TECHNICAL DATA	FRONIUS STRING CONTROL 250/30	FRONIUS STRING CONTROL 250/30 DCD DF	BASE
Max. number of strings	30		
Max. input current	250 A		
Max. input current per string	20 A		
Max. input voltage	1000 V		
Connections (DC in)	Terminals, 2,5 mm ² – 25 mm ² (for max. cable diameter of 7.5 mm) ¹⁾		
Connections (DC out)	V-shape connection lug (V-box terminal clamp) (no cable lugs required), max. 240 mm ²		
Max. current per measuring channel	50 A		
Number of measuring channels	5		
Fronius Solar Net (RS422)	Two RJ 45 or terminals		
Ambient temperature range	-25 – +55 °C		
Degree of protection	IP 55		
Power supply	12 V DC (optional)		
Size (height x width x depth)	580 x 720 x 200 mm	741 x 750 x 246	900 x 760 x 240 mm
Weight	16.3 kg	25,2 kg	11 kg

¹⁾ Depending on cable type. Please refer to the information in the operating instructions regarding correct installation.

CONFIGURATION DIAGRAM



..... Communication path
 — Power path

THE BENEFITS OF THE FRONIUS STRING CONTROL 250/30 IN DETAIL

/ Professional string current monitoring

The current of up to 30 strings can be monitored and professionally compared using the Fronius String Control 250/30.

/ Connection of up to 30 strings

Up to 30 strings in the Fronius String Control 250/30 can be connected to one DC main line. With a maximum input voltage of 1000 V and current carrying capacity of 250 A, the Fronius String Control 250/30 is well suited for use with the Fronius Agilo central inverter.

/ Easy installation without special tools

As the V-shape connection lugs (V-box terminal clamps) are connected directly to the DC main line, installation can be carried out quickly and easily without any special tools, saving both time and money. No cable plugs are required.

/ Module array fuse protection

Integrated string fuses protect the module array. The solar modules are provided with the best level of protection.

/ Installation of overvoltage protection protection component, designed for standard rail mounting

The String Control 250/30 allows an external overvoltage protection component, designed for standard rail mounting, to be installed.

/ Optional: DIN rail power pack

The Fronius String Control 250/30 has a separate DC power supply, making it ideal for distances of more than 100 m between the solar modules and the Fronius monitoring system.



/ Optional: Base for outdoor installation

The Fronius String Control 250/30 is supplied with an optional base for safe and secure installation on all types of outdoor surface.



OTHER SAFETY FEATURES ON THE FRONIUS STRING CONTROL 250/30 DCD DF

/ The Fronius String Control 250/30 DCD DF also provides other benefits:

/ The all-pole fuse protection

The all-pole fuse protection of the strings on the DC side complies with UK, French and Australian standards.

/ Integrated DC disconnecter that can be operated from the outside

The integrated DC disconnecter allows the PV generator to be conveniently isolated from the inverter, enabling service and maintenance work to be performed safely on a de-energised system.

/ Perfect Welding / Solar Energy / Perfect Charging

WE HAVE THREE DIVISIONS AND ONE PASSION: SHIFTING THE LIMITS OF POSSIBILITY.

/ 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



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