



## Fronius String Control 250/25

An intelligent solution for combining and monitoring multiple solar DC strings

The Fronius String Control 250/25 continually compares the string current outputs of multiple strings enabling the early detection and localization of problems within the entire system. Up to 25 module strings can be combined and every string is protected with its own DC fuse. As a result, there is nothing to stand in the way of reliable energy production.



POWERING YOUR FUTURE

## Fronius String Control 250/25 Technical Data

INPUT DATA	
DC Input Voltage Range	0 ... 600 V
Max. Input Voltage	600 V
Max. number of DC Input Terminals	25
Admissible Conductor Size (DC Input Terminals)	12-8 AWG, Copper, solid and stranded conductors
Number of measuring channels	5
Fused inputs per measuring channel	5
Max. continuous DC current per measuring channel	50 A
Max. Fuse Size (10 x 38 class CC fuse)	20 A, 600 V
No. Grounding Terminals	25
Admissible Conductor Size (GND terminals)	12-6 AWG, Copper and Aluminum, solid and stranded conductors
PV-Array Configuration	positive or negative grounding

OUTPUT DATA (TO FRONIUS CL)	
Max. continuous DC Current	250 A
Admissible conductor size (DC Output)	350 MCM
Max. number of conductors per output pole	2
DC Terminals	2x M12 lug (double hole)
GND Terminals	2x M12 lug (double hole)

GENERAL DATA	
Enclosure Type	Type 3R
Unit Dimensions (W x H x D)	27.6 x 19.5 x 5.0 inch (700 x 496 x 127 mm)
Unit Weight	26.5 lbs (12 kg)
Admissible Ambient Temperature	-13 ... +140°F (-25 ... +60°C)
Rel. Humidity	0 ... 95 % (non condensing)
Housing Material	Powder Coated Aluminum (standard)
Power Supply	via RS485, optional UL listed Class 2 (12Vdc)
Compliance	UL 1741-2005, ANSI/IEEE C62.41, FCC Part 15 B, NEC Article 690, C22. 2 No. 107.1-01 (September 2001)

COMMUNICATION	
Protocol Type	Solar Net, RS485
Connectors	2x RJ45 plugs or 2x 8-pole pressure type terminals



**Fronius USA LLC**  
**Solar Electronic Division**  
 10421 Citation Drive, Suite 1100  
 Brighton, Michigan, 48116  
 E-Mail: pv-us@fronius.com  
[www.fronius-usa.com](http://www.fronius-usa.com)



**YOUR FRONIUS DISTRIBUTOR**  
**SOLIGENT**  
 800-967-6917  
[www.soligent.net](http://www.soligent.net)