



RAPID SHUTDOWN BOX

/ The convenient rapid shutdown solution for Fronius inverters.

EASY AND COST-EFFECTIVE NEC 2014 COMPLIANCE



/ The Fronius Rapid Shutdown Box (RSB) provides a convenient solution for NEC 2014 (690.12) compliance, while enhancing overall rooftop and firefighter safety. Low-profile design, a small foot print installer-friendly mounting and wiring, make the Fronius Rapid Shutdown Box the ultimate solution for all Fronius SnapINverters* in systems up to 600 V. Directly connected to the inverter through the same conduit as the DC homeruns and powered by the array, the Fronius solution minimizes the number of components and eliminates the need for an external power supply and control button.

/ The low-profile design allows for installation underneath the modules, ensuring a clean system look. Thanks to the NEMA 4X rating, the box is built for severe outdoor conditions. MC4 connectors, spring loaded terminals and generous wiring space make wiring easy. Rapid Shutdown is triggered when AC is not present at the inverter, rapidly discharging the DC lines to the inverter. An optional method is to install an emergency stop button to open the signal loop.

SLEEK DESIGN

- / Low-profile design that fits underneath a module for clean system look
- / Mounting bracket with multiple mounting options for maximum flexibility
- / NEMA 4X rated for severe outdoor conditions

EASY WIRING

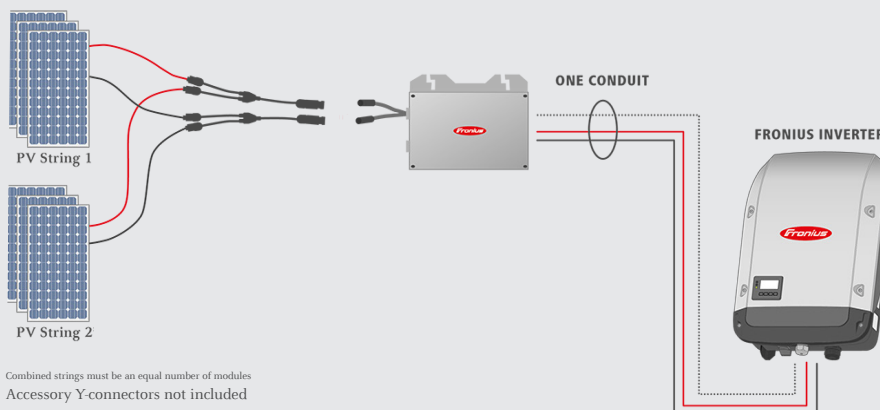
- / MC4 connectors, spring loaded terminals and external equipment ground lug make wiring easy
- / 25A rated inputs for up to two strings per input channel (via MC4 "Y" connectors, not included)

SMALL NUMBER OF COMPONENTS

- / Rapid Shutdown Box replaces your junction box
- / PV-powered: no extra power supply needed
- / No additional control button needed



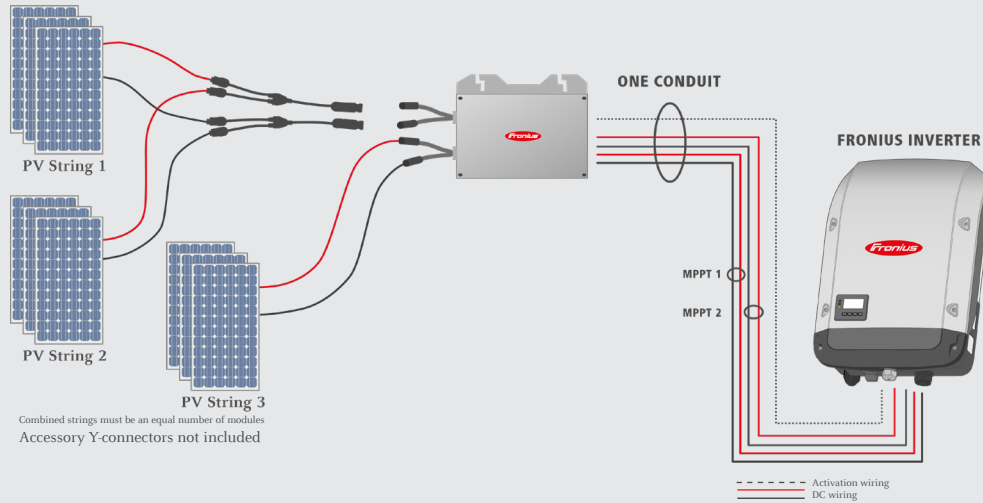
SAMPLE CONFIGURATION DUO



--- Activation wiring
--- DC wiring

* Excluding the Fronius Symo 15.0-3 208

SAMPLE CONFIGURATION QUATTRO



TECHNICAL DATA

GENERAL DATA	RAPID SHUTDOWN BOX-DUO	RAPID SHUTDOWN BOX-QUATTRO
Maximum voltage	600 VDC	
Start voltage	80 VDC	
Maximum input current	25A	25A/ 25A
Power Supply	DC (from the PV array)	
Typ. self-consumption during operation	2 W	
Input Circuits- MC-4	1(2 if used with MC-4 Y connector)	2(4 if used with MC-4 Y connectors)
Max. number of strings	2	4
Max. output current	25A	25A/ 25A
Output circuits-Spring clips	1	2
Max. DC homerun wire size	AWG 8	
Max. communication wire size	AWG 14	
Number of conduit ports	2	
Conduit size	3/4in. and 1in.	
For use with Amphenol H4/other connectors	Remove MC-4 connectors and replace with UL listed connectors	
External hardware required	Appropriate "Y" connectors if combining two strings	
Permissible operating temperature range	-40F to +149F (-40C to +65C)	
Rel. humidity	0 ... 100% (non condensing)	
Maximum installation elevation	13123 ft (4000m)	
Enclosure Type	Type 4X	
Unit dimensions	11.3 x 9.7 x 2.8 inch (286 x 246.5 x 71.5 mm)	13.8 x 11.5 x 2.8 inch (351 x 293 x 71.5 mm)
Unit weight	4 lbs. (1.8 kg)	6 lbs. (2.7 kg)
Compliance	UL1741; LTR AE-004-2015; FCC 15 Class B	
Compatible inverters	Fronius Galvo, Fronius Primo**, Fronius Symo (excluding the Fronius Symo 15.0-3 208) up to 600V	

** Note: If Fronius Rapid Shutdown Box is added to an existing system with a Fronius Primo 10.0 to 15.0, make sure that inverter software is up to date. Updates are available through software update file version fro27350.upd and can be easily downloaded at www.fronius-usa.com/Primo-Update and installed via USB stick or remote update via Fronius Solarweb. Updates are available through software update file version fro27350.upd and can be easily downloaded at www.fronius-usa.com/Primo-Update and installed via USB stick or remote update via Fronius Solarweb.



/ Perfect Welding / Solar Energy / Perfect Charging

THREE BUSINESS UNITS, ONE GOAL: TO SET THE STANDARD THROUGH TECHNOLOGICAL ADVANCEMENT.

What began in 1945 as a one-man operation now sets technological standards in the fields of welding technology, photovoltaics and battery charging. Today, the company has around 3,800 employees worldwide and 1,242 patents for product development show the innovative spirit within the company. Sustainable development means for us to implement environmentally relevant and social aspects equally with economic factors. Our goal has remained constant throughout: to be the innovation leader.

Further information about all Fronius products and our global sales partners and representatives can be found at www.fronius.com

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Fronius USA LLC
6797 Fronius Drive
Portage, IN 46368
USA

pv-support-usa@fronius.com
www.fronius.us/pv