



RAPID SHUTDOWN BOX

/ The reliable rapid shutdown solution for Fronius inverters.

SINGLE STRING AND MULTI STRING VERSIONS AVAILABLE



/ The Fronius Rapid Shutdown Box provides the ultimate NEC 2014 code (690.12) compliant solution while enhancing rooftop and firefighter safety. With the Fronius Rapid Shutdown Box, Fronius offers a reliable and easy to install solution for all Fronius SnapINverters in systems up to 600 V.*

/ Directly connected to the inverter through the same conduit as the DC homeruns, the Fronius solution minimizes the number of components needed providing ease of installation. No additional power supply is needed, reducing overall system cost and streamlining installation. Rapid Shutdown is triggered whenever AC is not present and the inverter rapidly discharges the DC lines, allowing for a seamless code compliant solution to the 2014 NEC requirement for rapid shutdown functionality for PV systems on buildings.

RATED NEMA 4X

- / Built for severe outdoor conditions.
- / Robust metal housing.
- / Rated for rooftop install.

MOUNTING

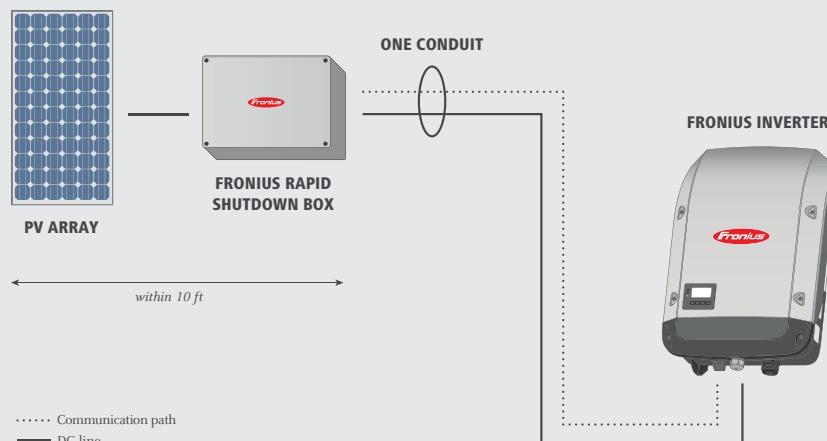
- / Mounting bracket included.
- / Can be mounted, per NEC 2014, on the roof or racking within 10 feet from the array or in the attic 5 feet within the array.

TERMINALS

- / Input and output terminals are spring loaded for fast and easy connection without special tools.



SAMPLE CONFIGURATION



* Excluding the Fronius Symo 15.0 -3 208 / Fronius Galvo only works with Fronius Rapid Shutdown Box Single

TECHNICAL DATA

RAPID SHUTDOWN BOX	SINGLE STRING	MULTI STRING
Max. number of strings	1 input / 1 output	1 to 4 inputs / 1 or 2 outputs (each output is independent)**
Max. output current	17 A	25 A per channel
Max. input current	17 A	12.5 A per input
Max. voltage	600 V	
Power supply	DC powered by the array (max. 3W)	
Dimensions (W x H x D)	7.9 x 5.5 x 3.5 in.	11 x 7 x 4 in.
Weight	4.4 lbs.	8.6 lbs.
Max. DC homerun wire size	AWG 10	AWG 8
DC disconnect	NA	Integrated
Protection class	NEMA 4X	
Temperature range	-40° - 140° F (-40° - +60° C)	
DC input wire size	AWG 10 to AWG 12	
Max. communication wire size	AWG 14 (rated for max. system voltage)	
Number of conduit ports	2	1
Conduit size	3/4 in.	1 in.
Compatible inverters	Fronius Galvo, Fronius Primo, Fronius Symo (excluding the Fronius Symo 15.0-3 208)	Fronius Primo***, Fronius Symo (excluding the Fronius Symo 15.0-3 208)
External hardware required	None	None
Certifications and compliance with standards	UL1741, FCC Part 15 Class B, NEC 690.12	

**Note: Consult installation guide for wiring instructions on the Primo 10.0 to 15.0 kW.

***Note: For automatic rapid shutdown functionality, the Primo 10-15kW must have a serial number 27384701 or greater. Power stage SW2 seen in the inverter display "info" menu under "versions" must be 0.6.34.4 or greater. 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 Solar.web.



/ 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 3,300 employees worldwide, we shift the limits of what's possible - our record of over 900 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

v05 May 2015 EN

Fronius USA LLC
 6797 Fronius Drive
 Portage, IN 46368
 USA
pv-support-usa@fronius.com
www.fronius-usa.com
 Version 1.1 2/28/17