

FRONIUS RAPID SHUTDOWN BOX

/ The reliable rapid shutdown solution for Fronius inverters



With the Fronius Rapid Shutdown Box, Fronius offers a reliable and easy to install solution for all SnapINverters (up to 600 V input). Connected to the inverter through a closed control circuit, the Rapid Shutdown Box provides a safe means of de-energizing the DC circuit from the array to the inverter. If the inverter is disconnected from the grid, the control circuit is opened, and the output from the Rapid Shutdown Box is limited to less than 30 V DC within 10 seconds as mandated by CEC 2015 64-218. Fronius' solution minimizes costs by requiring only a control circuit; no extra power supply, ground level hardware, or modification of the inverter is required.

ENCLOSURE

- Rated NEMA 4X
- Built for severe outdoor conditions
- Robust metal housing
- Rated for rooftop installation



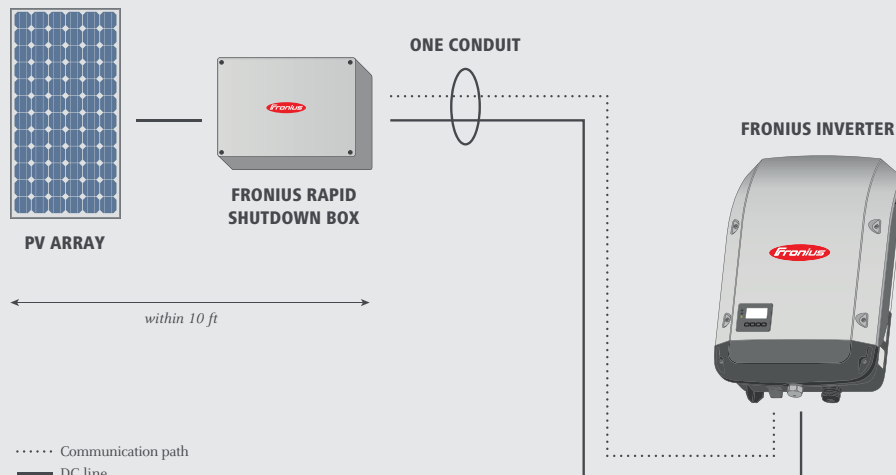
MOUNTING BRACKET

- Mounting bracket included.
- Can be mounted as per CEC 2015 on the roof or racking within 3 m of the array or in the attic 1.5 m from the array.

TERMINALS

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

SAMPLE CONFIGURATION



TECHNICAL DATA

RAPID SHUTDOWN BOX	SINGLE STRING	MULTI STRING
Max. number of strings	1 input / 1 output	2 independent channels (4 strings in, 2 strings out)
Max. input current	17 A	12.5 A per input
Max. output current	17 A	25 A per channel
Max. number of controlled circuits	1	2
Max. voltage	600 V DC	
Start up voltage	80 V DC	
Power supply	DC powered by the array (max. 2 W)	
Dimensions (H x W x D)	7.9 x 5.5 x 3.5 in. 20.0 x 14.0 x 9.0 cm	11.0 x 7.9 x 3.9 in. 28.0 x 18.0 x 10.0 cm
Device weight	4.4 lbs. / 2 kg	8.6 lbs. / 3.9 kg
DC disconnect	N/A	Yes
Protection class	NEMA 4X	
Temperature range	-40 to 140 F (-40 to 60 C)	
DC input wire size	AWG 10 to AWG 12	AWG 10 to AWG 12
DC output wire size (homerun)	AWG 10	AWG 8
Communication wire size	AWG 24 to AWG 14, must be rated at same voltage as PV wire if sharing conduit	
Number of conduit ports	2	1
Conduit size	0.75 in.	1 in.
Certifications and compliance with standards	UL1741, FCC Part 15 Class B, NEC 690.12	
Compatible inverters	Fronius Galvo, Primo and Symo (excluding Fronius Symo 15.0-3 208)	Fronius Primo, Symo (excluding Fronius Symo 15.0-3 208)

* Note: Fronius recommends that the firmware on all Fronius Primo 10 kW to 15 kW inverters be updated at the time of installation to ensure proper operation.

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

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