

BFS Series

Solar Panel Rapid Shutdown Safety Solution



Solar Panel Rapid Shutdown



Application

The BFS-21 is designed and developed as the most reliable module level rapid shutdown device for solar building fire safety and meeting the NEC requirements. Operates SINGLE standard PV module ($\geq 40V$) or Two modules ($<40V$).

The BFS-21 complies with NEC 2017&2020 690.12 rapid shutdown requirements when work with the SunSpec signal transmitter BFT-01 or an inverter with built-in transmitter, in non-interference with the inverter AFCI.



BFS-21 Specifications

Electrical

Range of Operatong Voltage:	120V input
Max operating current (A dc):	18A
Max. input power(W):	2160W total
Max. array short circuit current (A dc):	18A
Output DC Voltage(V dc):	120V
Rated Max. output current (A dc):	18A
Communication:	PLC(DC Power Line),SunSpec certicate Microsecond response RSD

Mechanical

UL 50 E Enclosure Type Rating:	4X
Connectors:	MC4(standard),Jinko connectors for option
Input Cable Length:	180mm
Output Cable Length:	1800mm
Weight:	600g

Environmental

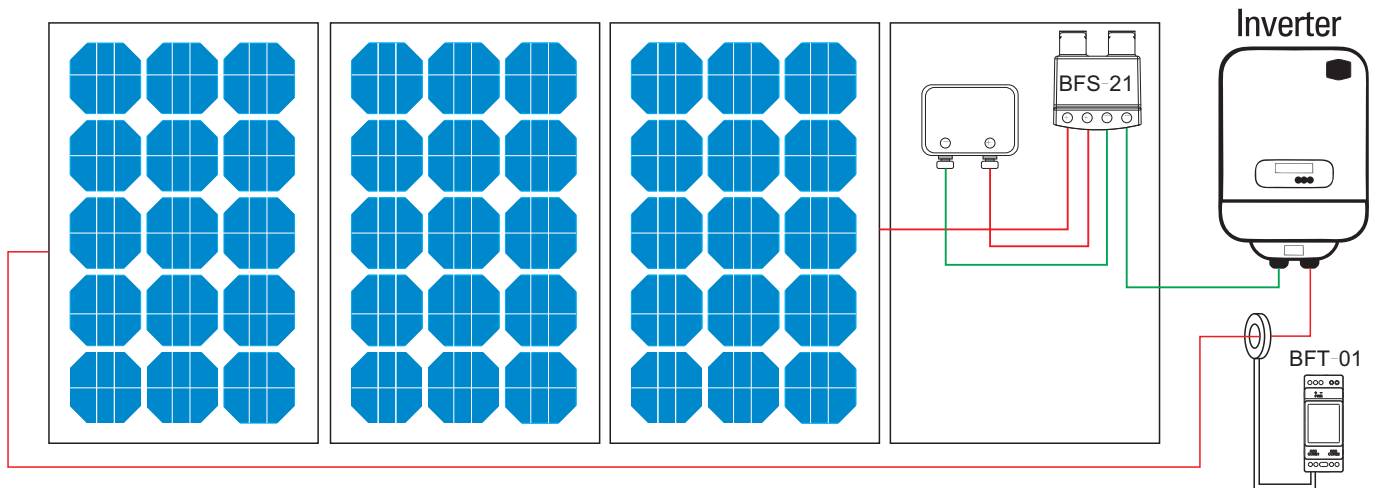
Operating Temperature:	-40°C to- +80°C
Ambient Operating Temperature:	-40°C to- +55°C
Over Temperature Protection:	85°C
Certicate and Standards:	UL 1741 PVRSS and PVRSE listed , NEC 2014/2017/2020 690.12

Rapid Shutdown initiate of BFS-21 requires RSD transmitter as a complete solution.

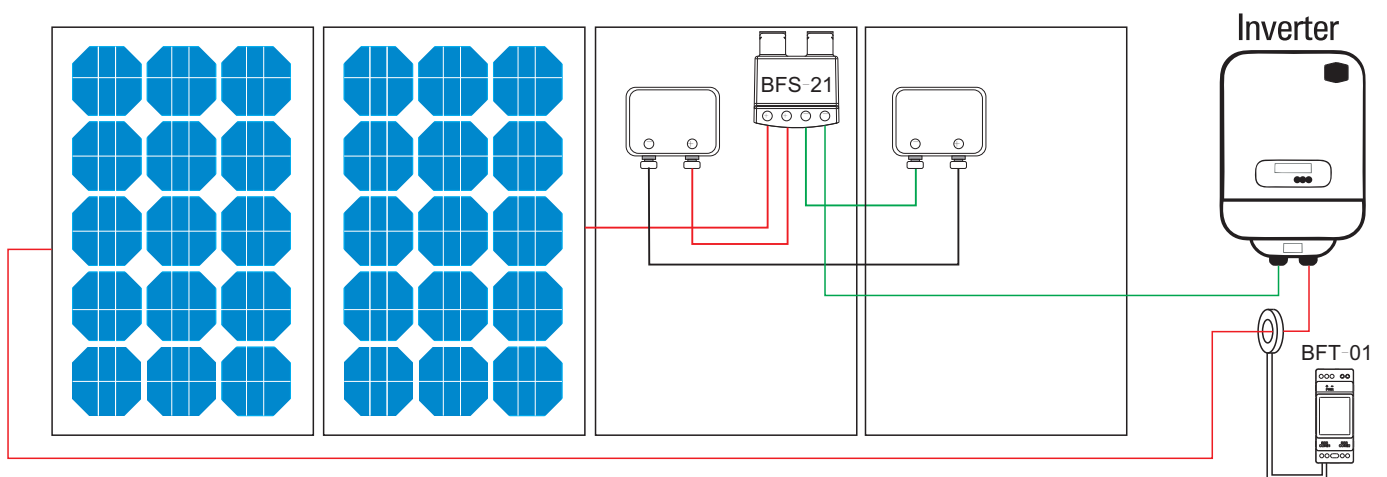
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How to install the RSD:

Panel Voltage $\geq 40V$



Panel Voltage $< 40V$



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Dimension

