

BFS Series

# Solar Panel Rapid Shutdown Safety Solution



# Solar Panel Rapid Shutdown



## Application

The BFS-22 is designed and developed as the most reliable module level rapid shutdown device for solar building fire safety and meeting the NEC requirements. Operates TWO standard PV module ( $\geq 40V$ ) or FOUR modules ( $< 40V$ ).

The BFS-22 complies with NEC 2017&2020 690.12 rapid shutdown requirements when work with the SunSpec signal transmitter BFT-01 on an inverter with built-in transmitter, in non-interference with the inverter AFCI.



## BFS-22 Specifications

### Electrical

Range of Operating Voltage:	120V per input(total 2 inputs)
Max operating current (A dc):	18A
Max. input power(W):	2160W per input (total 2 inputs)
Max. array short circuit current (A dc):	18A
Output DC Voltage(V dc):	240V
Rated Max. output current (A dc):	18A
Communication:	PLC(DC Power Line),SunSpec certificate Microsecond response RSD

### Mechanical

UL 50 E Enclosure Type Rating:	4X
Connectors:	MC4(standard),Jinko connectors for option
Input Cable Length:	PV1:160mm; PV2:180mm
Output Cable Length:	1800mm
Weight:	715g

### Environmental

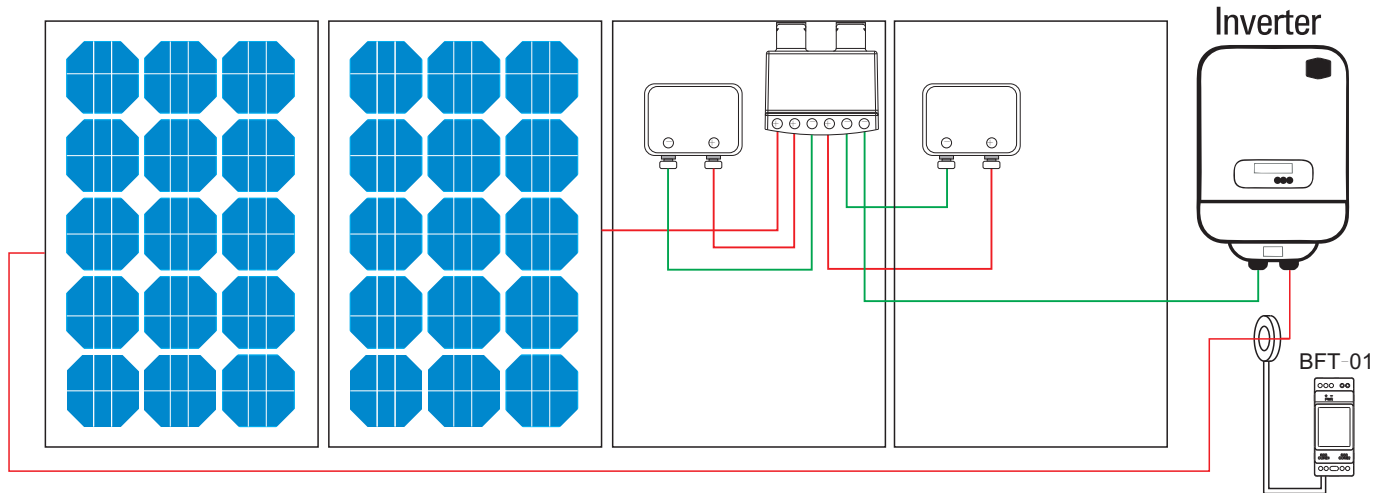
Operating Temperature:	-40°C to- +80°C
Ambient Operating Temperature:	-40°C to- +55°C
Over Temperature Protection:	85°C
Certificate and Standards:	UL 1741 PVRSS and PVRSE listed , NEC 2014/2017/2020 690.12
Warranty:	BFS-22:25Years

Rapid Shutdown initiate of BFS-22 requires RSD transmitter as a complete solution.

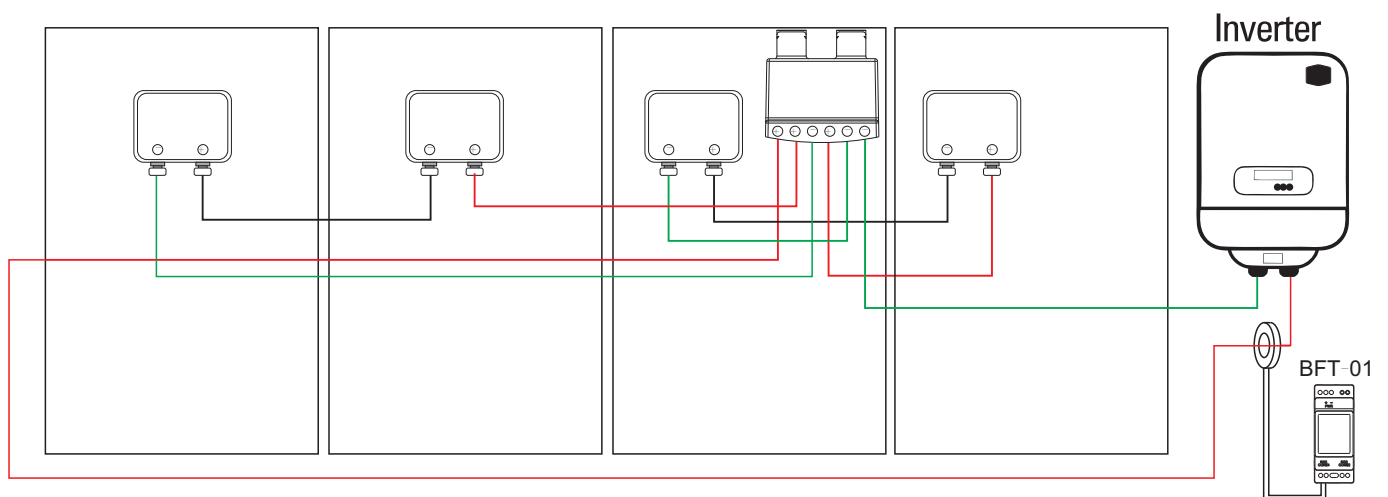
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### How to install the RSD:

Panel Voltage  $\geq 40V$



Panel Voltage  $< 40V$



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## Dimension

