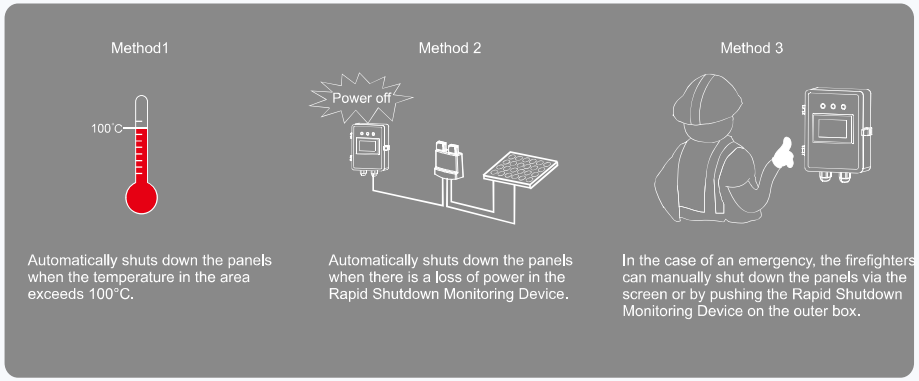
Each BFS-A1/BFS-A2 device can accommodate solar modules with a total max output of 1500V. The modules connect in series as the solar string links to the inverter as will be stated in the PV design. The BFS-A1/BFS-A2 and Rapid Shutdown Monitoring Device are connected via communication cable.

Note: If your market requires NEC2017/NEC2020 requirement, we recommend one RSD BFS-A1 connects 1 panel (≥40V) or 2 panels (<40V); BFS-A2 connects 2 panels (≥40V) or 4 panels (<40V).

A Complete RSD Solution



Rapid Shutdown Monitoring Device

Rapid Shutdown Monitoring Device can simultaneously monitor the failure and communication status of multiple Rapid Shutdown Devices.

AC power from the grid or AC side at the solar inverter could both be the power source for Rapid Shutdown Monitoring Device.

When there is a loss of AC power, the DC panels will be automatically shutdown.

Rapid Shutdown Monitoring Device Specifications

Product Model	BFS-MH-01	BFS-MH-02
Rated Working Voltage	100V-240VAC	200V-480VAC
Interactive Mode	Touch screen and indicator light	
Maximum Power consumption	180W	
Operating Temperature	-25℃~55℃	
Storage Temperature	-30℃~80℃	
IP Class Protection	IP65	
Overvoltage Category	II	
Maximum Altitude	2000m	
Mechanical		
Dimension	W360*D260*H152.5mm	
Weight	8.2kg	9.1kg
Communication Mode	POWERBUS	
The Maximum Distance: (From the First RSD to the Monitoring Device)	150m	
The Maximum Number of Circuit	3	
The Maximum Number of Strings Per Circuit	4	
The Maximum On-load Per String	BFS-A1:40	
	BFS-A2:20	
Total maximum number of standby	BFS-A1:3*4*40=480	
	BFS-A2:3*4*20=240	
Polling Speed	4 times per second is for each channel, and 12 times per second can be achieved when three channels work simultaneously