



ZHEJIANG BENYI NEW ENERGY CO., LTD.

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For the latest version of specification, please refer to www.beny.com or contact to benyi@zjbeny.com We reserve the right to explain the terms of specification.





RAPID **SHUTDOWN SAFETY SOLUTION**

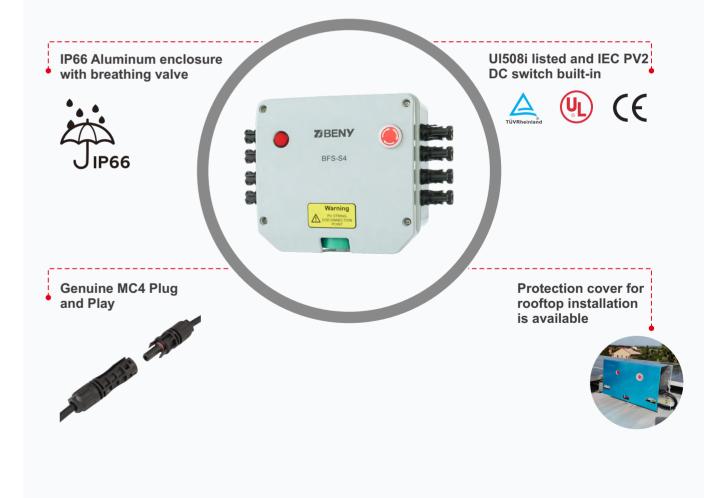


Application

ZBENY The BFS-S Series Firefighter Safety Switch is a DC Isolation Solution for solar rooftop fire safety, providing DC power mechanical and complete isolation in the event of a fault. Make a safe area and operating space to protect the firefighter from DC electric shock. As the firefighter cut off the AC power in the house, the safety switch will disconnect the DC power at the sametime.

- String Level Rapid Shutdown
- Up to 1500VDC, 50A per string
- Plug and Play for easy installation
- No cross-talk with inverter or Wifi
- Compatible with most string inverters and panels

Features







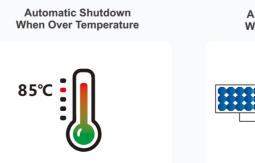
Specifications

Models	BFS-S				
Models	BFS-S1	BFS-S2	BFS-S3	BFS-S4	
Number of Strings	1 string	2 strings	3 strings	4 strings	
Max String Voltage(Vdc)	300V-1500V				
Max String Current(A)	50A				
Operating Voltage	90Vac-260Vac				
Nominal Voltage	230Vac				
Nominal Current	30mA				
Start up Current	Average 100mA				
Switch on Action Current	Max 300mA				
Standard Compliance	IEC / EN 60947-3				
Protection Degree	IP66				
Storage Temperature Allowed Between	-40°C~+85°C				
Operating Temperature Range	-20°C~+50°C				
Maximum Operating Temperature Before Automatic Switch OFF	+85°C				
Protection Level	Class II				
Mechanical Endurance		9700			
Electrical Endurance		300			

How the solution works?



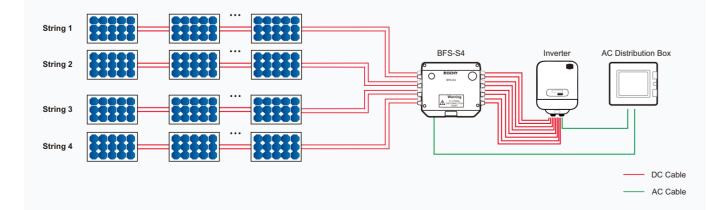
Shutdown Mode



Automatically OFF the DC Power, when temperature inside of BFS-S enclosure $\ge 85^{\circ}$ C. Once temperature drop to \leq 75°C, DC power will be back automatically.

Automatically OFF the DC Power, when AC Power is loss accidently or manually turn off by firefighter, so to make safety zone for firefighters. Once AC Power is back, DC Power will be back automatically.

Diagram

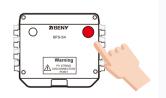




Automatic Shutdown When AC Power Loss



100% Shutdown By Emergency Button



Press the emergency button to keep DC Power 100% OFF even when AC Power is back, so to keep a total safety zone for firefighters.



Dimensions

