

Fire Fighter Safety Switch for Solar Building

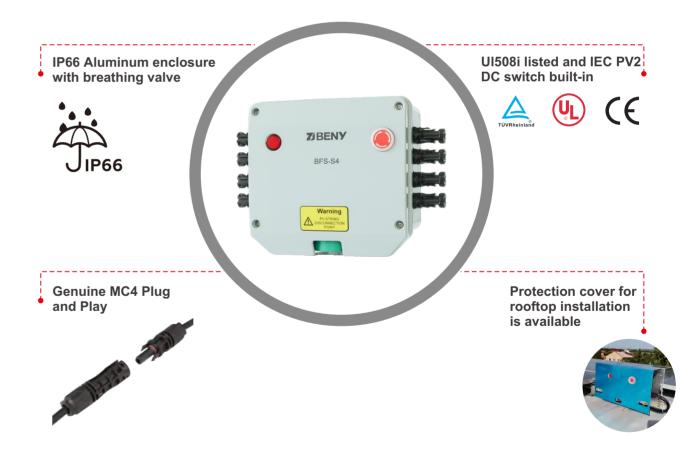


Application

ZIBENY 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



ZHEJIANG BENYI NEW ENERGY CO.,LTD.

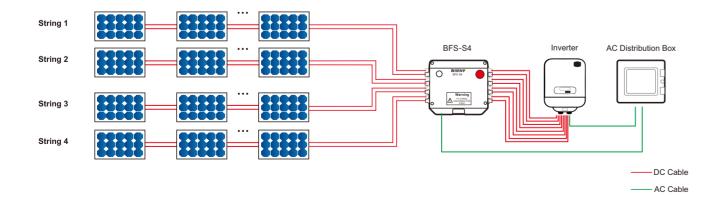


ZBENY

Specifications (1-4 strings)

/lodels	BFS-S					
Models	BFS-S1	BFS-S2	BFS-S3	BFS-S4		
Number of Strings	1 strings	2 strings	3 strings	4 strings		
	DEEN'	Male Reserve	Ida anany de BH	Date of Street o		
Max Stting Voltage(Vdc)	300V-1500V					
Max String Current(A)	50A					
Operating Voltage	90Vac-260Vac					
Nominal Voltage	230Vac					
Nominal Current	30mA					
Start up Currentc	Average 100mA					
Switch on Action Current	Max 300mA					
Standard Compliance	IEC/EN 60947-3					
Protection Degree	IP65					
Storage Temperature Allowed Between	-40℃-85℃					
Operating Temperature Range	-20℃-50℃					
Maximum Operating Temperature Before Automatic Switch OFF	+85℃					
Mechanical Endurance	9700					
Electrical Enduranc	300					

Diagram



How the solution works?



Shutdown Mode

85℃

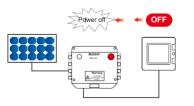
Automatic Shutdown When Over Temperature



Automatically OFF the DC Power, when temperature inside of BFS-S enclosure ≥ 85°C.

Once temperature drop to $\leq 75^{\circ}$ C, DC power will be back automatically.

Automatic Shutdown When AC Power Loss



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.

100% Shutdown By Emergency Button

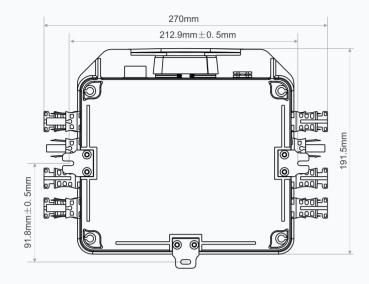


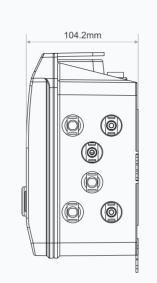
Press the emergency button to keep DC Power 100% OFF even when AC Power is back, so to keep a total safety zone for firefighters.



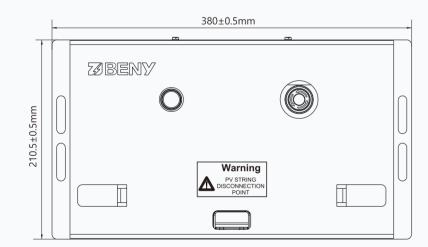


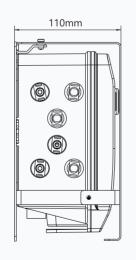
Dimensions





BFS-S1/S2/S3/S4











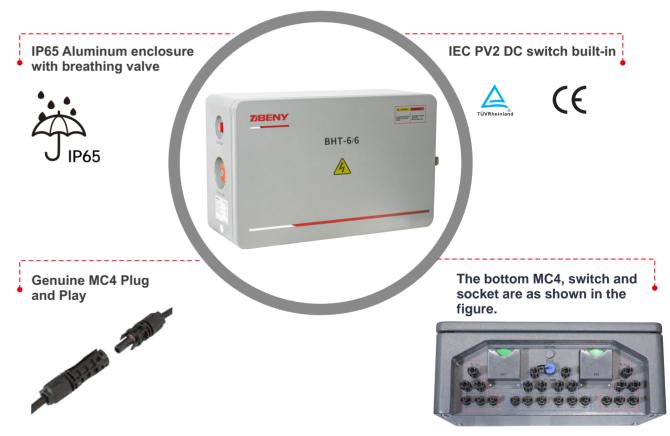


Application

The BHT-X/X Series PV Combiner Box with Rapid Shutdown is a DC Isolation Solution for solar rooftop fire safety providing DC manual switch-off in the event of a fault. Make a safe area and operating space to protect the frefighter from DC electric shock. As the device cuts off the AC power in the house, the safety switch will disconnect the DC power at the same time.

- 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



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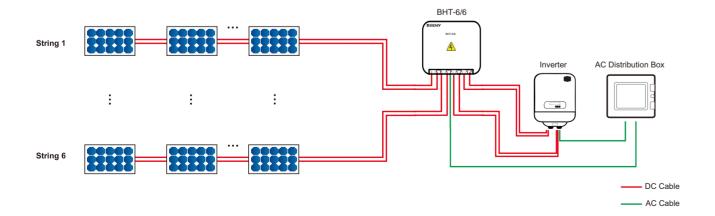
Specifications (5-10 strings)

Models	BHT-X/X					
Models	BHT-5/5	BHT-6/6	BHT-8/8	BHT-10/10		
Number of Strings	5 strings	6 strings	8 strings	10 strings		
	BHT-55	BHT-6-6	BHT-83	BRT-10-10		
Max Stting Voltage(Vdc)	300V-1500V					
Max String Current(A)	50A					
Operating Voltage	90Vac-260Vac					
Nominal Voltage	230Vac					
Nominal Current	30mA					
Start up Currentc	Average 100mA					
Switch on Action Current	Max 300mA					
Standard Compliance	IEC/EN 60947-3					
Protection Degree	IP65					
Storage Temperature Allowed Between	-40℃-85℃					
Operating Temperature Range	-20℃-50℃					
Maximum Operating Temperature Before Automatic Switch OFF	+85℃					
Mechanical Endurance	9700					
Electrical Enduranc	300					

How the solution works?



Diagram



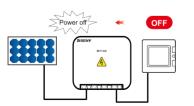
Automatic Shutdown When Over Temperature



DC Power will automatically switch off when the temperature inside the BFS-S enclosure is ≥85°C.

Once the temperature drops to \leq 75°C, the DC power will automatically return.

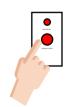
Automatic Shutdown When AC Power Loss



DC Power will automatically switch off when AC Power is lost accidently or is manually turned off by the firefighter in order to ensure a wholly safe zone for the firefighters.

Once the AC Power is back on, DC Power will automatically return.

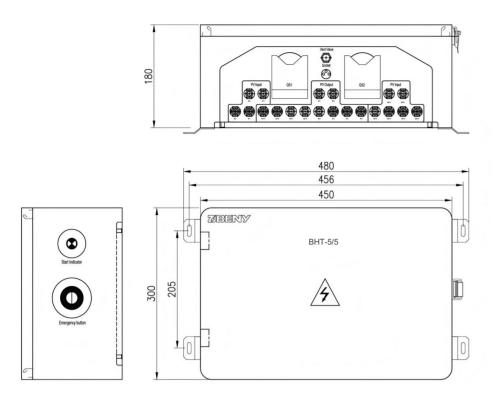
100% Shutdown By Emergency Button

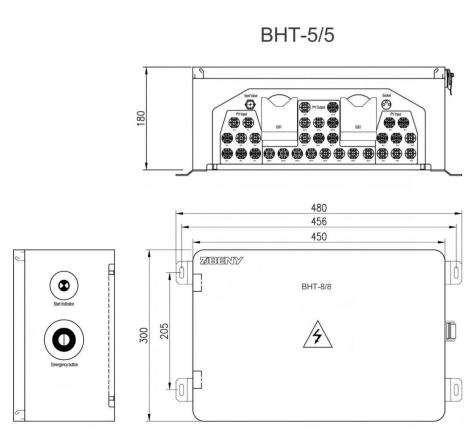


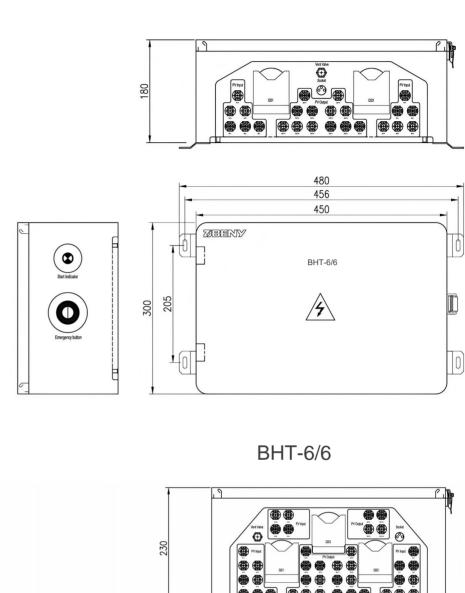
Press the emergency button to keep DC Power 100% OFF even when AC Power is back in order to ensure a wholly safe zone for firefighters.

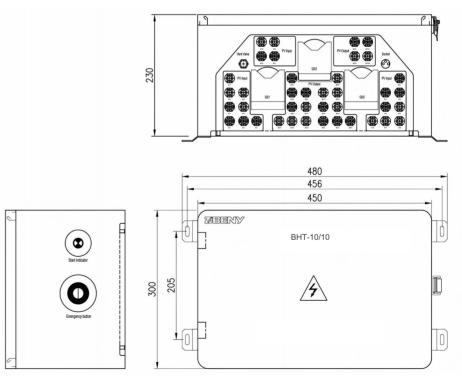
19 BENY PYSOLUTIONS











BHT-8/8

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