

Technical Parameters

System	
Protection grade	IP65
Output switch	DC isolation switch (optional)/DC circuit breaker (standard)
SMC4 Waterproof Connectors	Standard
PV DC FUSE	Standard
Pv Surger protective device	Standard
Monitoring module	Optional
Precenting diode	Optional
Box material	PC
Installation method	Wall mounting type
Operating Temperature	-25℃ ~ +55℃
Elevation of Temperature	2km
Permissible relative humidity	0-95%,no condensation
Mechanical parameter	
DC combiner box can be customized	



FRP

Rapid Shutdown Switch

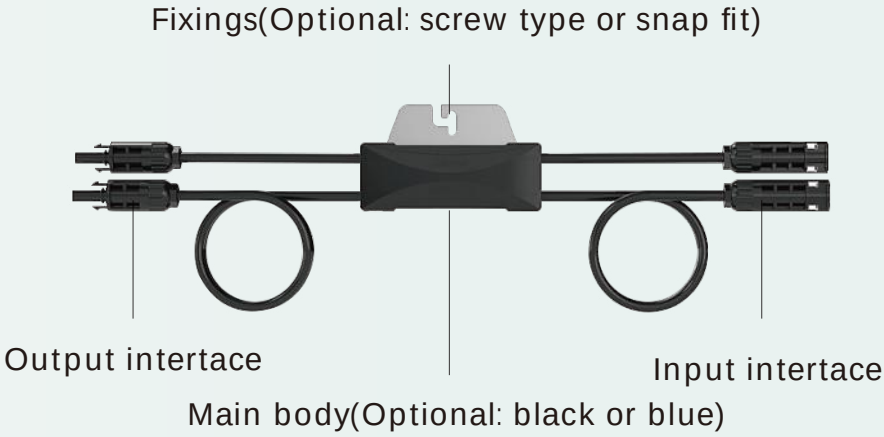
- Shutdown while ambient temperature is over 85° C
- Slim size match module perfectly
- Flame retardantrating: UL94-V0
- Protection Level: IP68
- Standards compliant: UL1741/NEC 017690.12



Specifications

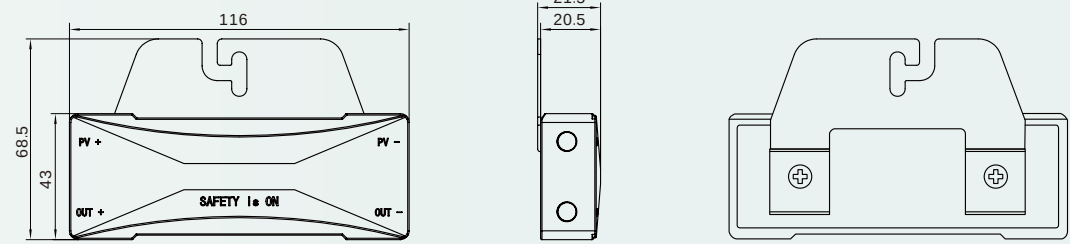
Standard	Data
Maximum Allowed Input Voltage	80V
Maximun Output Voltage	80V
Number of connectable panels	1/2
Maximum input current	15A/25A
Maximum short circuit current	15A/25A
Maximum system voltage	1000V(1500 optional)
Operating temperature	Negative 30-80℃ (automatically shut down if over 85℃)
Operating environment temperature	Negative 30℃ ~ +55℃
Supply voltage	PV panels
Humidity	0% ~ 90% at 20℃
Interface	MC4
Warranty	10 Years
Panel cable length	280±10m m
String cable length	1280±10m m
Comm unication	PLC

Product details

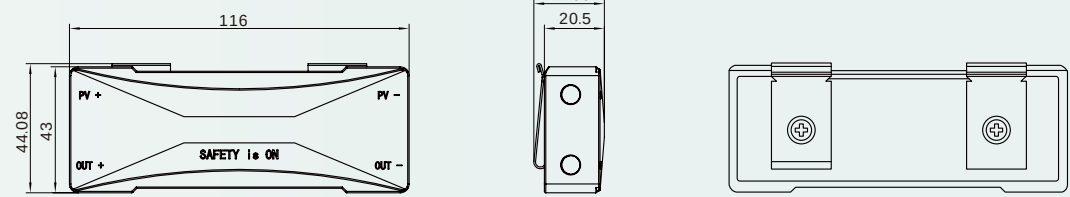


Dimensions

Screw type



Clip type



FRS-1/2

DC RAPID SHUTDOWN SWITCH

- Max shut down one or two strings modules
- Maximum circuit current 55A
- Maximum cricuit voltage 1500vdc
- PC+ABS material, IP66 protection grade
- Multi clock interface type optional (knockout hole/gland/ MC4 terminal)
- Waterproof Vent valve to avoid condensation inside the shell
- Advanced temperature sensor is used to detect the highest temperature in the shell in real time temperature, when the internal temperature exceeds 70 degrees, automatic cut-off switch
- It is suitable for residential, industrial and comercial photovoltaic systems



Specifications

Standard	Data
String voltage (VDC)	300~1500
String current(A)	9~55
Circuit	1/2
Connection mode of Isolation switch	2/4/4B
Working voltage	100Vac - 270Vac
Rated voltage	230Vac
Rated current	30 mA
Starting (loading) current	100 mA(AVG)
Action current	300 mA(Max)
Contact action condition	24Vdc-300 mA(Max)
Operating temperature	-20° C ± 50° C
Maximum temperature before automatic shutdown	≥ 70° C
Storage temperature	-40° C ± 85° C

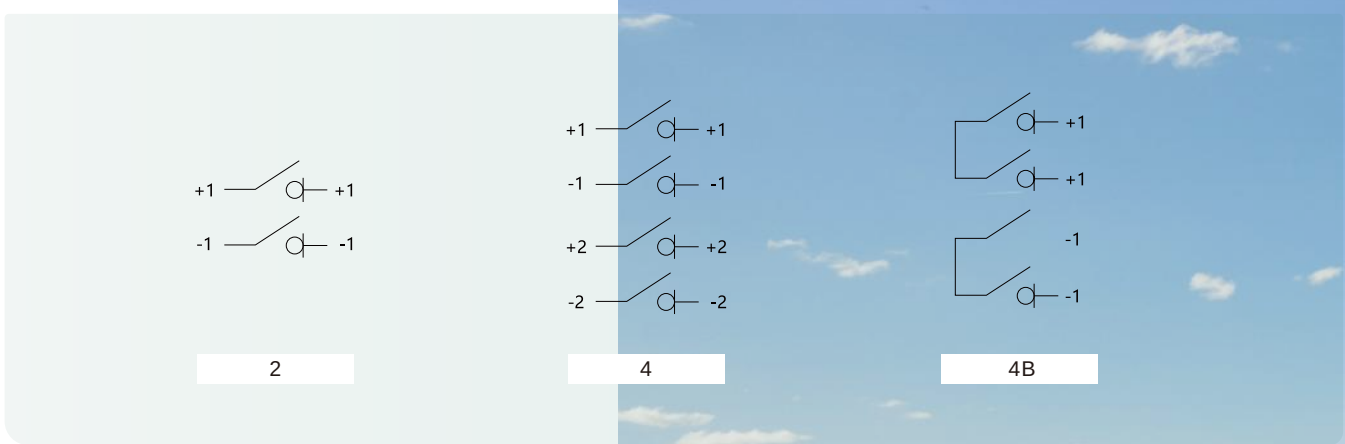
Specifications

Standard	Data
Protection level	IP66
Over current protection	II
Authentication	CE
The DC isolation switch meets the standard	EN 60947-1&3
Mechanical life	10000
Number of loaded operations (PV1)	>1500

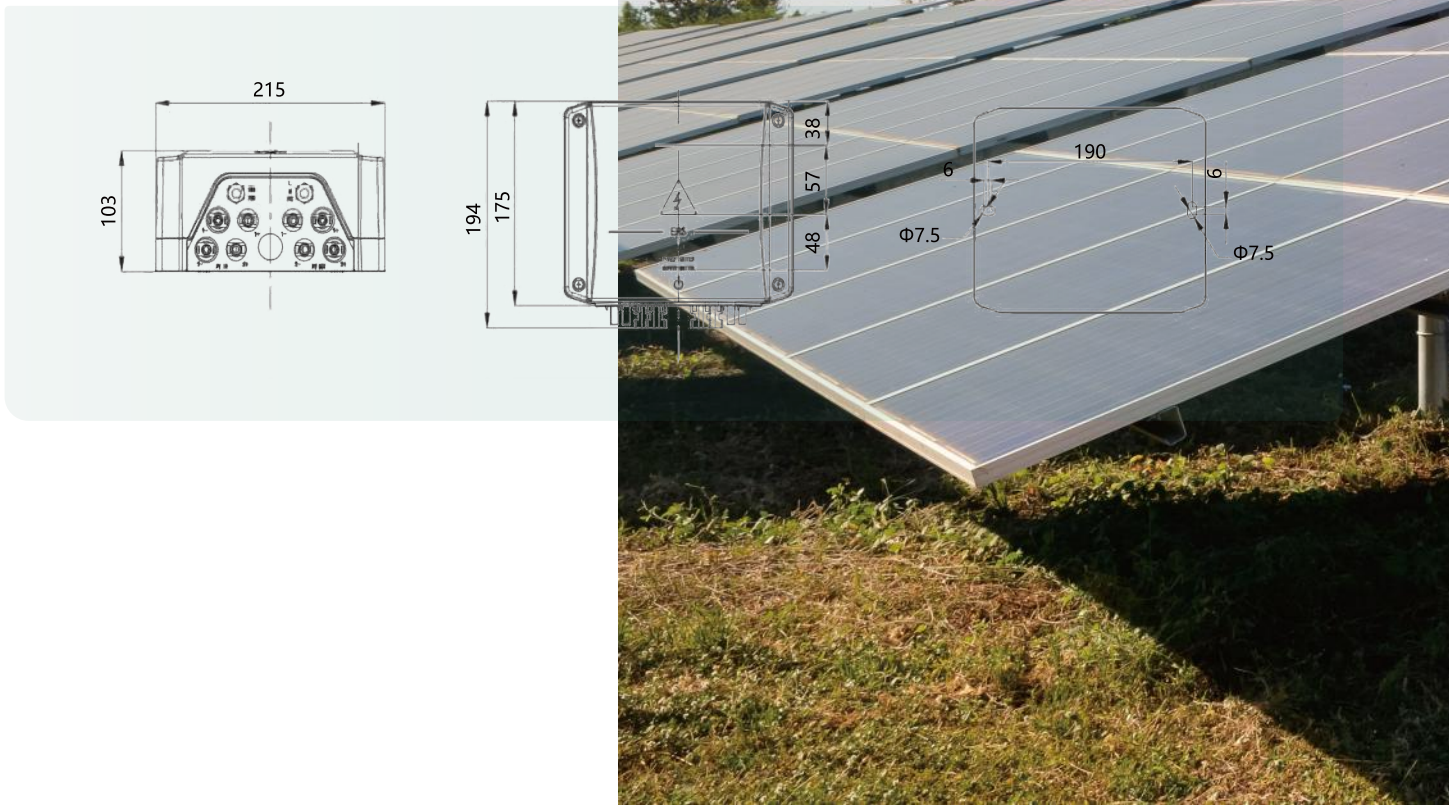
Specifications

Model	Circuit	Pole number	Data of ERS refer to built-in DC isolators Data according to IEC60947-3(ed.3.2):2015,UL5081.Utilization category DC-PV1.				
			600V	800V	1000V	1200V	1500V
SRS13-2	1	2	32	26	13	10	5
SRS20-2	1	2	40	30	20	12	6
SRS25-2	1	2	55	40	25	15	8
SRS40-2	1	2	/	50	40	30	20
SRS50-2	1	2	/	55	50	40	30
SRS13-4	2	4	32	26	13	10	5
SRS20-4	2	4	40	30	20	12	6
SRS25-4	2	4	55	40	25	15	8
SRS40-4	2	4	/	50	40	30	20
SRS50-4	2	4	/	55	50	40	30
SRS13-4B	1	4	32	26	13	10	5
SRS20-4B	1	4	40	40	40	30	20
SRS25-4B	1	4	/	/	55	40	30
SRS40-4B	1	4	/	/	/	/	45
SRS50-4B	1	4	/	/	/	/	50

Wiring diagram



Wiring diagram



FRS-3/4/5

DC RAPID SHUTDOWN SWITCH

- Suitable for 3-string, 4-string, 5-string modules
- Maximum circuit current 55A
- Maximum cricuit voltage 150Ovdc
- Sheet metal material, IP66 protection grade
- Multi clock interface type optional (knockout hole/gland/MC4 terminal)
- Waterproof Vent valve to avoid condensation inside the shell
- Advanced temperature sensor is used to detect the highest temperature in the shell in real time temperature.when the internal temperature exceeds 70 degrees, automatic cut-off switch
- It is suitable for residential, industrial and commercial photovoltaic system



Specifications

Standard	Data
String voltage (VDC)	300~1500
String current(A)	9~55
Circuit	3/4/5
Connection mode of Isolation switch	6/8
Working voltage	100Vac - 270Vac
Rated voltage	230Vac
Rated current	30mA
Starting (loading) current	100mA(AVG)
Action current	300mA(Max)
Contact action condition	24Vdc-300mA(Max)
Operating temperature	-20° C ± 50° C
Maximum temperature before automatic shutdown	≥ 70° C
Storage temperature	-40° C ± 85° C

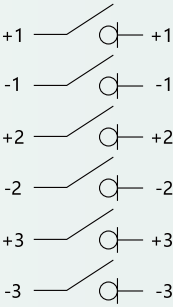
Specifications

Standard
Protection level
Over current protection
Authentication
The DC isolation switch meets the standard
Mechanicallife
Number of loaded operations (PV1)

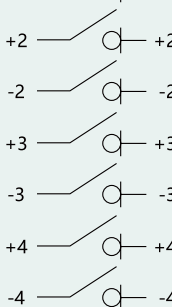
Specifications

Model	Circuit	Pole number	Data of Data ac 600V
SRS13-6	3	6	32
SRS20-6	3	6	40
SRS25-6	3	6	55
SRS40-6	3	6	/
SRS50-6	3	6	/
SRS13-8	4	8	32
SRS20-8	4	8	40
SRS25-8	4	8	55
SRS40-8	4	8	/
SRS50-8	4	8	/

Wiring diagram



6



8