

DC Rapid Shutdown Switch

2 string / 3 string / 4 string / 5 string / 10 string

Leading Manufacturer Protects Solar Power Safety



ERS-10 Series



Product features



- Suitable for 3-string,4-string,5-string modules
- Maximum circuit current 55A
- Maximum circuit voltage 1500vdc
- CE certificated
- Sheet metal material, IP66 protection grade
- Multi clock interface type optional (knockout hole / gland / MC4 terminal)
- The Isolation switches are TUV.CE.CB.SAA certificated
- 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 systems

Product naming				
E	RS	□	-	□
1	2	3		4
			-	5

Code	Name	Description
1	ASwich brand	E
2	Rapid Shut-down Switch	RS
3	Rated Current	13:13A 20:20A 25:25A 40:40A 50:50A
4	Pole	10:10P
5	Wiring	Mc4: MC4 terminal / Blank

DC RAPID SHUTDOWN SWITCH

ERS-10 Series

Main parameter

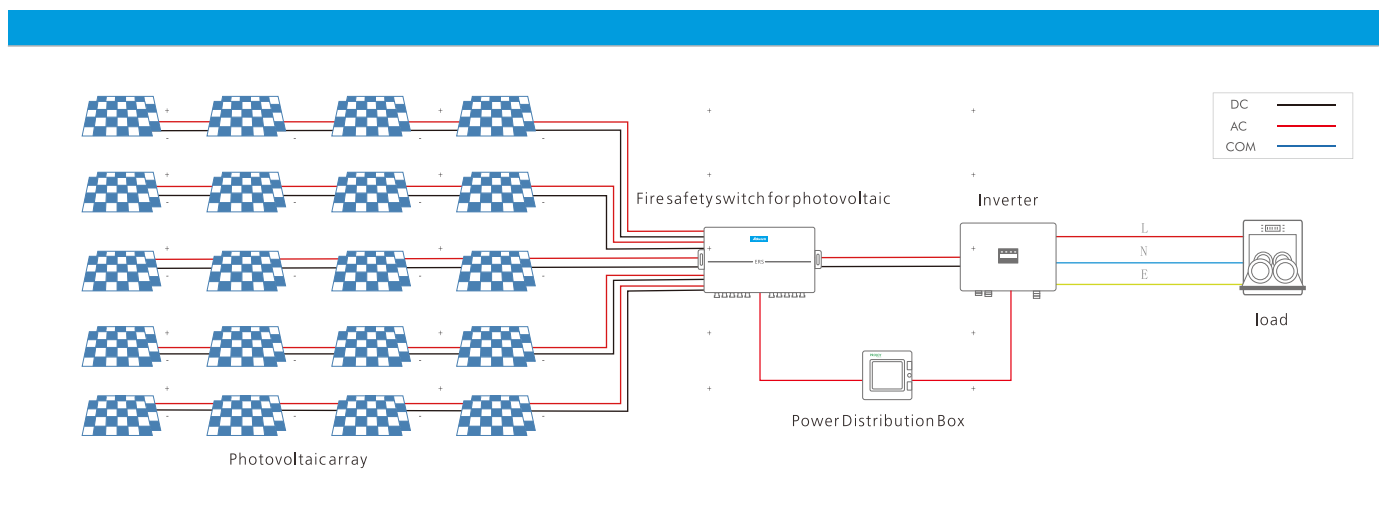
Standard	Data
Main parameter	ERS
String voltage (VDC)	300~1500
String current (A)	9~55
Circuit	3/4/5
Connection mode of Isolation switch	10
Working voltage	100Vac - 270Vac
Rated voltage	230Vac
Rated current	30mA
Starting (loading) current	100mA (AVG)
Action current	300mA (Max)
Contact action condition	24Vdc -300mA (Max)
Operating temperature	-20°C - +50°C
Maximum temperature before automatic shutdown	+70°C
Storage temperature	-40°C - +85°C
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

Technical data

Data of ERS refer to built-in DC isolators. Data according to IEC60947-3(ed.3.2):2015,UL508i.Utilization category DC-PV1.					Pole number	Circuit	Model
600V	800V	1000V	1200V	1500V			
32	26	13	10	5	10	5	ERS13-10
40	30	20	12	6	10	5	ERS20-10
55	40	25	15	8	10	5	ERS25-10
/	50	40	30	20	10	5	ERS40-10
/	55	50	40	30	10	5	ERS50-10

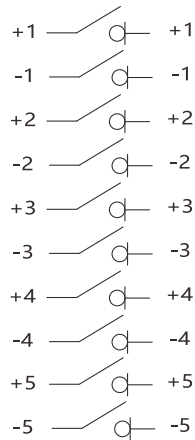
According to EN60947-3, AS/NZS 60947-3

Sketch Map



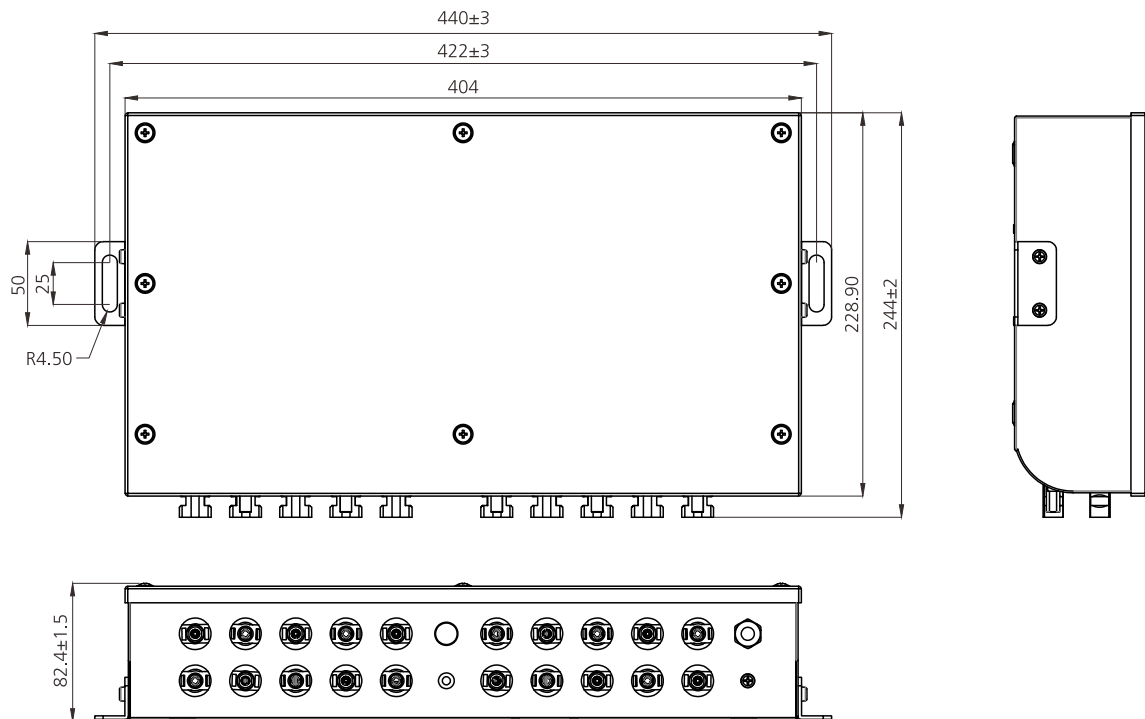
ERS-10 Series

■ Wiring diagram



10

■ Product size



Note: the fire safety switch cannot be installed in the place with direct sunlight, and the sun visor is recommended.