

SUNGO

JV WITH KONKA
CHINESE STATE OWNED COMPANY

1 to 2 Rapid Shutdown Device & Rapid Shutdown Transmitter SUNGO RSD-2 & SUNGO SD

www.sungoess.com
E-mail: sales@sungoess.com

Features

Safety

AC power failure, rapid shutdown of PV outputs

Reliable Signals

Host and slave can synchronize signals

Flexible Use

Two channels of DC input

Quality Warranty

12-year standard warranty, high stability, service life over 25 years



**1 to 2 Rapid Shutdown Devices
SUNGO RSD-2**



**Rapid Shutdown Transmitter
SUNGO SD**

SUNGO RSD-2 is a 1 to 2 rapid shutdown devices, which maintains normal power-on operation by continuously receiving heartbeat frames sent from SUNGO SD, and when the SUNGO SD signal disappears, SUNGO RSD-2 performs a rapid shutdown operation. Users can turn off the power of SUNGO SD to realize the rapid shutdown of the system, complying with NEC 2017&2020 (690.12) specifications.

1 to 2 Rapid Shutdown Device Technical Parameters

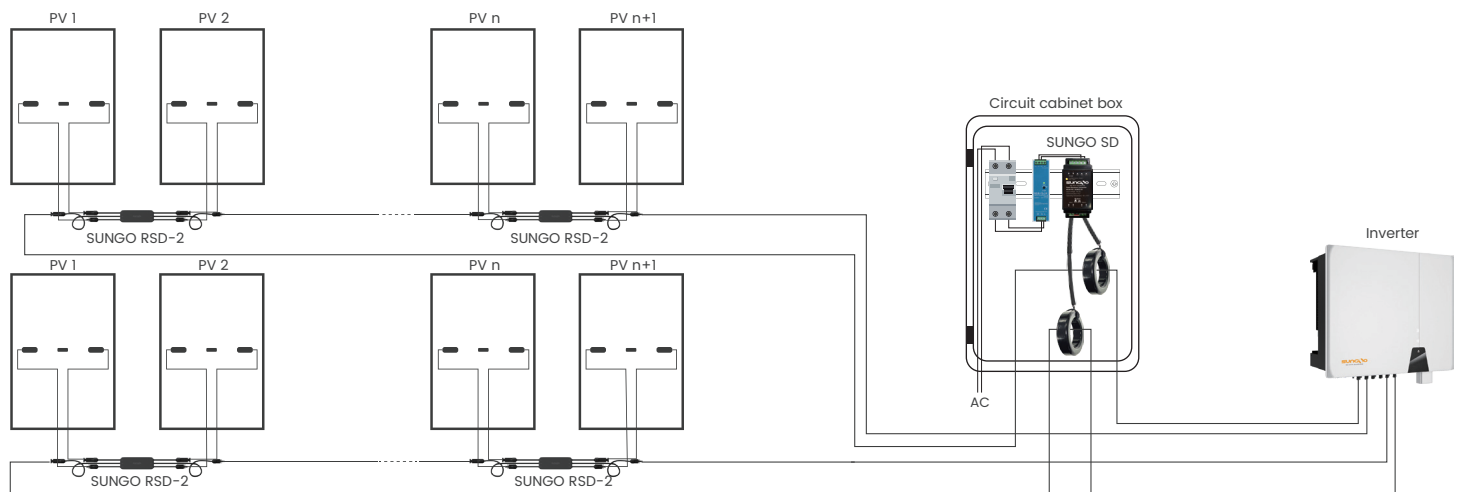
Model	SUNGO RSD-2
DC input	
Input voltage range	10-80V (Per channel)
Max. Continuous input current	21A (Per channel)
Max. Input short circuit current	23A (Per channel)
DC output	
Output voltage range	20-160V
Max. Continuous output current	21A (Per channel)
Max. System voltage	1000V/1500V
Rapid shutdown	
Shutdown time	<15s
Shutdown indication voltage*	1V
Communication method	
Specification	PLC
Specification	
Operating temperature range	-40~70°C
Dimensions (Without cables, connectors and mounting clips)	147*51*19.5mm
Cable length	Input 200mm/Output 2200mm (Can be customized according to customer requirements)
Cable specifications	TUV:4mm ² /UL:12AWG
Dc connectors	MC4
Shell protection grade	NEMA Type 6P / IP68
Complies with safety regulations	
Safety regulations	NEC 2017&2020 (690.12); UL1741; CSA C22.2 No. 330-17; IEC/EN62109-1

*The no-load test is greater than 1V, and needs to be tested with a load of 10mA (load of 100Ω) to be 1V.

Rapid Shutdown Transmitter Technical Parameters

Model	SUNGO SD
Input voltage	12VDC
Input current	0.8A
Max. Mppt string voltage	1500VDC
Max. number of series connections	30 modules
Operating temperature	-40~70°C
Safety regulation	NEC 2017&2020 (690.12); UL1741; CSA C22.2 No. 330-17
Magnetic ring inner diameter ID	35.6mm
Number of strings inserted per ring*	5
Max. number of strings to be inserted*	10
String route length	≤300m

*Reduce the number of strings according to the length of wiring on site to ensure normal PLC communication.



System Wiring Diagram