

# SUNGO

JV WITH KONKA  
CHINESE STATE OWNED COMPANY

## 1 to 2 Rapid Shutdown Device & Data Gateway SUNGO RSDi-2 & SUNGO GTC

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The SUNGO RSDi-2 is a rapid shutdown with data monitoring, matching the data gateway GT or GTC, with a module-level rapid shutdown function that monitors the operating parameters of the PV modules and reports the operating status of the PV modules.

### Features

#### ✓ Safety

AC power failure, rapid shutdown of PV outputs

#### 📱 Intelligent Management

Module-level data intelligent monitoring, one App to manage the PV power plant

#### 🔌 Flexible use

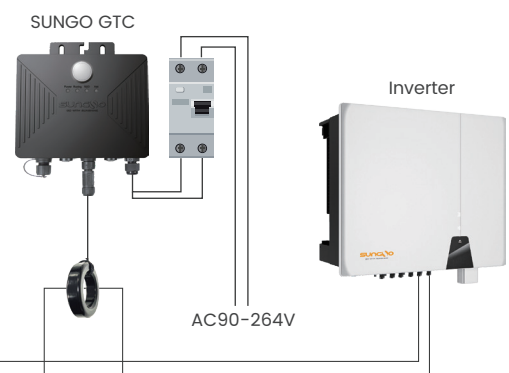
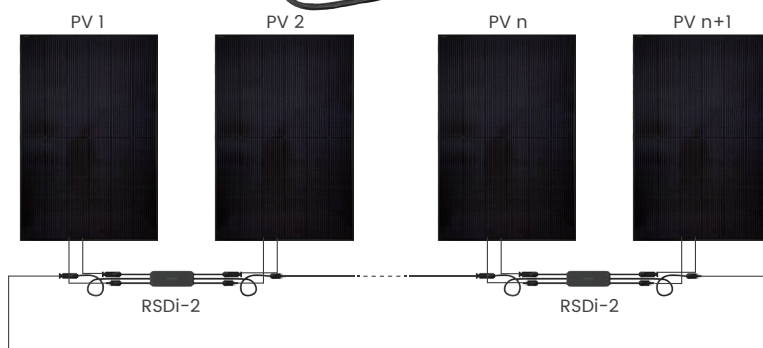
Two channels of DC input

#### 🛡️ Quality Warranty

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



Data Gateway (GTC)



Connection Diagram

## Rapid Shutdown Devices Technical Parameters

| Model                                   | SUNGO RSDi-2                                                                                            |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Dc Input</b>                         |                                                                                                         |
| Input voltage range                     | 12-80V (Per channel)                                                                                    |
| Maximum continuous input current        | 21A (Per channel)                                                                                       |
| Maximum input short-circuit current     | 23A (Per channel)                                                                                       |
| <b>Dc Output</b>                        |                                                                                                         |
| Output voltage range                    | 20-160V                                                                                                 |
| Maximum continuous output current       | 21A (Per channel)                                                                                       |
| Maximum system voltage                  | 1000V/1500V                                                                                             |
| <b>Rapid Shutdown</b>                   |                                                                                                         |
| Shutdown time                           | <15s                                                                                                    |
| Shutdown indicator voltage*             | Only PV1 is connected, it is 1V; PV1 and PV2 are connected, it is 2V; only PV2 is connected, no voltage |
| <b>Specification</b>                    |                                                                                                         |
| Operating temperature range             | -40~70°C                                                                                                |
| Dimensions(W*D*H)                       | 147*19.5*51mm                                                                                           |
| Input/output cable length               | Input 200mm/Output 2200mm(Can be customized according to customer requirements)                         |
| Cable specifications                    | TUV:4mm²/UL:12AWG                                                                                       |
| DC connectors                           | MC4                                                                                                     |
| Enclosure protection class              | NEMA Type 6P / IP68                                                                                     |
| <b>Communication</b>                    |                                                                                                         |
| Communication method                    | PLC                                                                                                     |
| Communications parameter                | PV Voltage,Output Voltage,Output Current,Output Power,Temperature,State                                 |
| <b>Complies With Safety Regulations</b> |                                                                                                         |
| Safety                                  | NEC 2017&2020 (690.12); UL1741; CSA C22.2 No. 330-17; IEC/EN62109-1                                     |

## Data Gateway Technical Parameters

| Model                               | SUNGO GTC                                                                                                          |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Match with                          | SUNGO iOPT 800W / SUNGO RSDi-2                                                                                     |
| <b>AC Input Parameters</b>          |                                                                                                                    |
| AC input voltage range              | 90-264V                                                                                                            |
| AC Input frequency                  | 50/60Hz                                                                                                            |
| Maximum AC input power              | 5W                                                                                                                 |
| Maximum AC input current            | 0.1A@90Vac                                                                                                         |
| <b>PV Input Parameters</b>          |                                                                                                                    |
| Terminals                           | MC4(Compatible)                                                                                                    |
| Maximum system voltage              | 1500V                                                                                                              |
| Nos of input strings                | 5                                                                                                                  |
| Maximum number of iOPT              | 100                                                                                                                |
| Maximum number of RSDi-2            | 50                                                                                                                 |
| <b>Communication Method</b>         |                                                                                                                    |
| Communication with optimizer        | PLC                                                                                                                |
| Communication with upper machine    | 2.4GHz Wi-Fi / RS485                                                                                               |
| <b>Rapid Shutdown</b>               |                                                                                                                    |
| Initial state                       | Operate                                                                                                            |
| Switch-on                           | Press the button once until the Running indicator lights up                                                        |
| Switch-on time                      | <5s                                                                                                                |
| Shutdown                            | 1. Press the button once until the RSD indicator lights up<br>2. Controller AC power off, all indicator lights off |
| Shutdown time                       | <30s                                                                                                               |
| <b>Standards</b>                    |                                                                                                                    |
| Electromagnetic compatibility (EMC) | IEC61000-6-1 IEC61000-6-2 IEC61000-6-3                                                                             |
| Safety                              | IEC62109-1                                                                                                         |
| RoHs                                | Yes                                                                                                                |
| <b>Installation Specification</b>   |                                                                                                                    |
| Dimension (W*D*H)                   | 140*33.5*175mm                                                                                                     |
| Weight                              | 0.88kg                                                                                                             |
| AC input cable length               | 1m                                                                                                                 |
| Protection level                    | IP67                                                                                                               |
| Working temperature range           | -40~+70°C                                                                                                          |
| Cooling                             | Natural cooling                                                                                                    |
| Form of installation                | Wall hanging/holding, screw locking                                                                                |
| Certification                       | CE                                                                                                                 |
| Packaging                           | 8pcs/CTN, 6ctn/layer, total 8 layers, 384pcs/pallet                                                                |