

## About Thinkwe |

Thinkwe Technology is a company dedicated to the safety of PV applications for over 12 years. 6 years ago we launched the rapid shutdown product, and as of today we have already shipped more than 80,000 units Worldwide.

With our 40+ people professional R&D team and 12 patents, Thinkwe is able to deliver the state-of-the-art product to the market.

Thinkwe is devoted to make PV system safer to everyone, which we believe is an important thing for the fast growing renewable energy market all over the World.



R&D centers  
2



Engineers  
40



Employees  
200



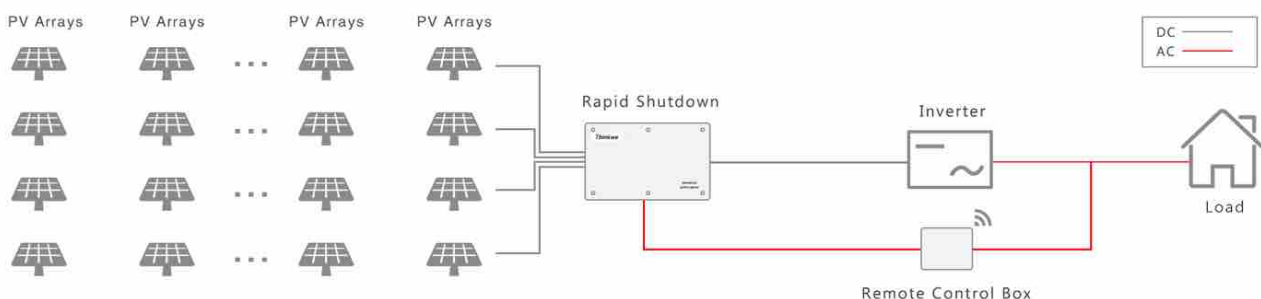
Core patents  
12



Years of experience  
6



Supply of units  
80,000



# Thinkwe

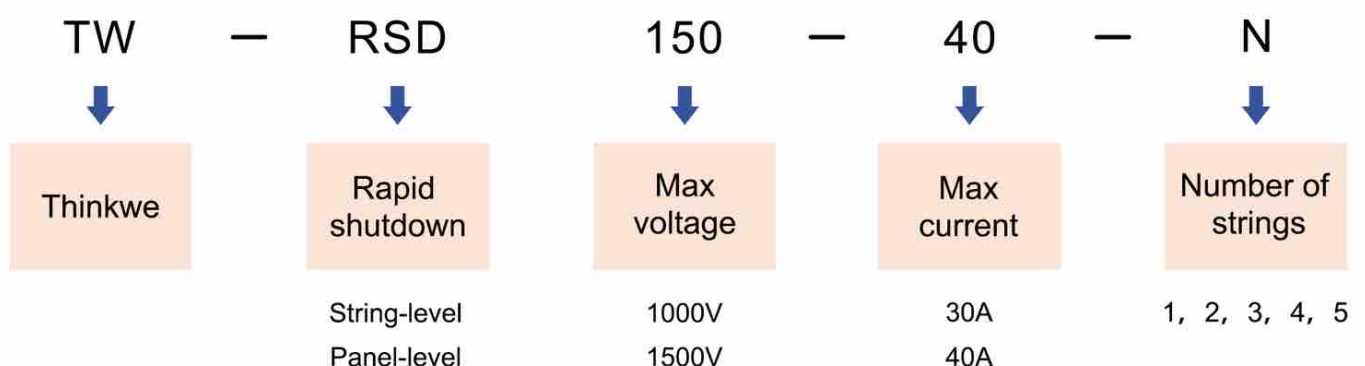
## Rapid Shutdown



### Feature

- 1~5 strings available
- UP to 40 A
- UP to 1500 V
- CE certification
- IP66 protection & anti UV
- APP remote control
- Shutdown feedback signal
- Auto shutdown exceeding 70°C
- 10000 mechanical life cycles
- Isolator with CE, CB, TUV, SAA

### Select Code



# Technical Data

# Thinkwe

| Model                       | TW-RSD100-30-1           | TW-RSD150-40-1            |
|-----------------------------|--------------------------|---------------------------|
| Main loop parameters        |                          |                           |
| Number of strings           | 1                        |                           |
| Max DC voltage              | 1000 Vdc                 | 1500 Vdc                  |
| Max DC current              | 30 A                     | 40 A                      |
| Parameters                  | 1000V18A,600V32A,400V32A | 1500V26A,1000V40A,600V40A |
| DC connector                | MC4                      |                           |
| Control loop parameters     |                          |                           |
| Power supply type           | AC single phase          |                           |
| Nominal voltage             | 230Vac                   |                           |
| Operating voltage           | 100-270 Vac              |                           |
| Nominal frequency           | 50 Hz                    |                           |
| Operating frequency         | 47-53 Hz                 |                           |
| Nominal current             | 30mA                     |                           |
| Max current                 | 300mA                    |                           |
| AC connector                | Plug-in                  |                           |
| Product parameters          |                          |                           |
| Protection degree           | IP 66                    |                           |
| Protection level            | Class II                 |                           |
| Certification               | CE                       |                           |
| Switch according to         | EN 60947-3               |                           |
| Number of operations        | >10000                   |                           |
| N. of operations under load | >1500                    |                           |
| Operating temperature       | -20°C ~ 70°C             |                           |
| Temperature sensor trigger  | 70°C                     |                           |
| Warranty                    | 5 years                  |                           |
| Dimensions (L*W*H)          | 265 * 280 * 115          |                           |
| Weight                      | 2950 g                   |                           |

# Technical Data

**Thinkwe**

| Model                       | TW-RSD100-30-2           | TW-RSD150-40-2            |
|-----------------------------|--------------------------|---------------------------|
| Main loop parameters        |                          |                           |
| Number of strings           | 2                        |                           |
| Max DC voltage              | 1000 Vdc                 | 1500 Vdc                  |
| Max DC current              | 30 A                     | 40 A                      |
| Parameters                  | 1000V18A,600V32A,400V32A | 1500V26A,1000V40A,600V40A |
| DC connector                | MC4                      |                           |
| Control loop parameters     |                          |                           |
| Power supply type           | AC single phase          |                           |
| Nominal voltage             | 230Vac                   |                           |
| Operating voltage           | 100-270 Vac              |                           |
| Nominal frequency           | 50 Hz                    |                           |
| Operating frequency         | 47-53 Hz                 |                           |
| Nominal current             | 30mA                     |                           |
| Max current                 | 300mA                    |                           |
| AC connector                | Plug-in                  |                           |
| Product parameters          |                          |                           |
| Protection degree           | IP 66                    |                           |
| Protection level            | Class II                 |                           |
| Certification               | CE                       |                           |
| Switch according to         | EN 60947-3               |                           |
| Number of operations        | >10000                   |                           |
| N. of operations under load | >1500                    |                           |
| Operating temperature       | -20°C ~ 70°C             |                           |
| Temperature sensor trigger  | 70°C                     |                           |
| Warranty                    | 5 years                  |                           |
| Dimensions (L*W*H)          | 265 * 280 * 115          |                           |
| Weight                      | 3130 g                   |                           |

# Technical Data

# Thinkwe

| Model                       | TW-RSD100-30-3           | TW-RSD150-40-3            |
|-----------------------------|--------------------------|---------------------------|
| Main loop parameters        |                          |                           |
| Number of strings           | 3                        |                           |
| Max DC voltage              | 1000 Vdc                 | 1500 Vdc                  |
| Max DC current              | 30 A                     | 40 A                      |
| Parameters                  | 1000V18A,600V32A,400V32A | 1500V26A,1000V40A,600V40A |
| DC connector                | MC4                      |                           |
| Control loop parameters     |                          |                           |
| Power supply type           | AC single phase          |                           |
| Nominal voltage             | 230Vac                   |                           |
| Operating voltage           | 100-270 Vac              |                           |
| Nominal frequency           | 50 Hz                    |                           |
| Operating frequency         | 47-53 Hz                 |                           |
| Nominal current             | 30mA                     |                           |
| Max current                 | 300mA                    |                           |
| AC connector                | Plug-in                  |                           |
| Product parameters          |                          |                           |
| Protection degree           | IP 66                    |                           |
| Protection level            | Class II                 |                           |
| Certification               | CE                       |                           |
| Switch according to         | EN 60947-3               |                           |
| Number of operations        | >10000                   |                           |
| N. of operations under load | >1500                    |                           |
| Operating temperature       | -20°C ~ 70°C             |                           |
| Temperature sensor trigger  | 70°C                     |                           |
| Warranty                    | 5 years                  |                           |
| Dimensions (L*W*H)          | 300 * 280 * 115          |                           |
| Weight                      | 3440 g                   |                           |

# Technical Data

# Thinkwe

| Model                       | TW-RSD100-30-4           | TW-RSD150-40-4            |
|-----------------------------|--------------------------|---------------------------|
| Main loop parameters        |                          |                           |
| Number of strings           | 4                        |                           |
| Max DC voltage              | 1000 Vdc                 | 1500 Vdc                  |
| Max DC current              | 30 A                     | 40 A                      |
| Parameters                  | 1000V18A,600V32A,400V32A | 1500V26A,1000V40A,600V40A |
| DC connector                | MC4                      |                           |
| Control loop parameters     |                          |                           |
| Power supply type           | AC single phase          |                           |
| Nominal voltage             | 230Vac                   |                           |
| Operating voltage           | 100-270 Vac              |                           |
| Nominal frequency           | 50 Hz                    |                           |
| Operating frequency         | 47-53 Hz                 |                           |
| Nominal current             | 30mA                     |                           |
| Max current                 | 300mA                    |                           |
| AC connector                | Plug-in                  |                           |
| Product parameters          |                          |                           |
| Protection degree           | IP 66                    |                           |
| Protection level            | Class II                 |                           |
| Certification               | CE                       |                           |
| Switch according to         | EN 60947-3               |                           |
| Number of operations        | >10000                   |                           |
| N. of operations under load | >1500                    |                           |
| Operating temperature       | -20°C ~ 70°C             |                           |
| Temperature sensor trigger  | 70°C                     |                           |
| Warranty                    | 5 years                  |                           |
| Dimensions (L*W*H)          | 350 * 280 * 115          |                           |
| Weight                      | 3950 g                   |                           |

# Technical Data

# Thinkwe

| Model                       | TW-RSD100-30-5           | TW-RSD150-40-5            |
|-----------------------------|--------------------------|---------------------------|
| Main loop parameters        |                          |                           |
| Number of strings           | 5                        |                           |
| Max DC voltage              | 1000 Vdc                 | 1500 Vdc                  |
| Max DC current              | 30 A                     | 40 A                      |
| Parameters                  | 1000V18A,600V32A,400V32A | 1500V26A,1000V40A,600V40A |
| DC connector                | MC4                      |                           |
| Control loop parameters     |                          |                           |
| Power supply type           | AC single phase          |                           |
| Nominal voltage             | 230Vac                   |                           |
| Operating voltage           | 100-270 Vac              |                           |
| Nominal frequency           | 50 Hz                    |                           |
| Operating frequency         | 47-53 Hz                 |                           |
| Nominal current             | 30mA                     |                           |
| Max current                 | 300mA                    |                           |
| AC connector                | Plug-in                  |                           |
| Product parameters          |                          |                           |
| Protection degree           | IP 66                    |                           |
| Protection level            | Class II                 |                           |
| Certification               | CE                       |                           |
| Switch according to         | EN 60947-3               |                           |
| Number of operations        | >10000                   |                           |
| N. of operations under load | >1500                    |                           |
| Operating temperature       | -20°C ~ 70°C             |                           |
| Temperature sensor trigger  | 70°C                     |                           |
| Warranty                    | 5 years                  |                           |
| Dimensions (L*W*H)          | 450 * 280 * 115          |                           |
| Weight                      | 4500 g                   |                           |

# Thinkwe

## Remote Control Box



### Feature

- For string level RSD
- APP remote control
- Manual control
- Anti UV
- IP66 protection
- Over current protection

## Technical Data

| Model                 | TW-RSD-BOX      |
|-----------------------|-----------------|
| Power supply type     | AC single phase |
| Nominal voltage       | 230 Vac         |
| Operating voltage     | 100-270 Vac     |
| Nominal frequency     | 50Hz            |
| Operating frequency   | 47-53Hz         |
| Operating temperature | -20°C ~ 70°C    |
| Protection degree     | IP66            |
| AC connector          | Plug-in         |
| Warranty              | 5years          |

## Rapid Shutdown



### Feature

- Panel level
- UP to 15A
- UP to 1500V
- IP68 protection
- PLC communication
- 12 years warranty

## Technical Data

| Model                       | TW-RSD-PL-1                 | TW-RSD-PL-2 |
|-----------------------------|-----------------------------|-------------|
| Number of panel             | 1                           | 2           |
| Max. DC voltage             | 60V                         |             |
| Max. DC current             | 15A                         |             |
| Max. system voltage         | 1500V                       |             |
| Operating temperature range | -40°C ~ +65°C               |             |
| Length of cable             | 1000mm(Panel),200mm(String) |             |
| Ingress protection          | IP68                        |             |
| Model                       | TW-RSD-PL-BOX               |             |
| Number of string            | 2                           |             |
| Communication type          | PLC                         |             |
| Operating temperature range | -40°C ~ +65°C               |             |
| Ingress protection          | IP68                        |             |
| Operating AC voltage range  | 100V - 240V                 |             |
| Norminal frequency          | 50 / 60 Hz                  |             |

# ***Thinkwe***

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