



## HU2-RSD String Level Rapid Shutdown

### Application Scope

A high-capacity, smart rapid shutdown device designed to enhance PV system safety, featuring remote management capabilities and reliable thermal protection.

Supports 1 to 10 strings, with ratings up to 1500V / 40A.

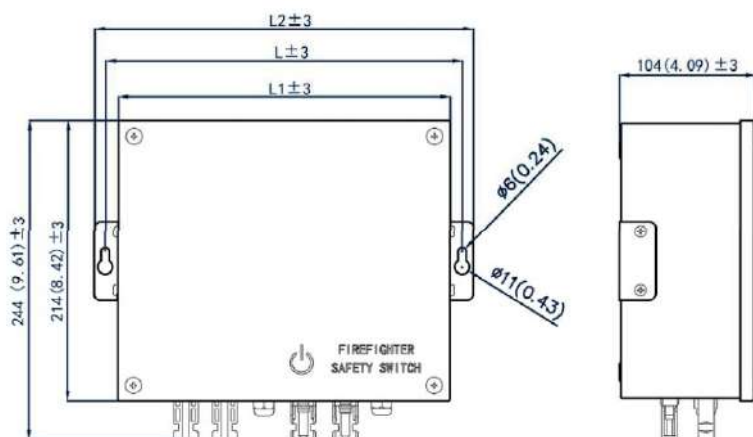
Features app-based remote control, clear shutdown status feedback, and automatic thermal trip protection when temperatures exceed 70°C.

Housed in an IP65-rated, UV-resistant enclosure, with a mechanical lifespan of 10,000 cycles.

### Technical Parameters

| Model                       | HU2-RSD 150-40-1                                | HU2-RSD 150-40-2 | HU2-RSD 150-40-3 | HU2-RSD 150-40-4 | HU2-RSD 150-40-5 |
|-----------------------------|-------------------------------------------------|------------------|------------------|------------------|------------------|
| Number of strings           | 1                                               | 2                | 3                | 4                | 5                |
| Main loop parameters        |                                                 |                  |                  |                  |                  |
| Max DC voltage              | 1500 Vdc                                        |                  |                  |                  |                  |
| Max DC current              | 40A                                             |                  |                  |                  |                  |
| Parameters                  | 1500V 26A,1250V 32A,1000V 40A,800V 40A,600V 40A |                  |                  |                  |                  |
| DC connector                | MC 4                                            |                  |                  |                  |                  |
| Control loop parameters     |                                                 |                  |                  |                  |                  |
| Power supply type           | AC single phase                                 |                  |                  |                  |                  |
| Nominal voltage             | 230Vac                                          |                  |                  |                  |                  |
| Operating voltage           | 100-270 Vac                                     |                  |                  |                  |                  |
| Nominal frequency           | 50 Hz                                           |                  |                  |                  |                  |
| Operating frequency         | 47-53Hz                                         |                  |                  |                  |                  |
| Nominal current             | 30mA                                            |                  |                  |                  |                  |
| Max current                 | 300mA                                           |                  |                  |                  |                  |
| AC connector                | Plug-in                                         |                  |                  |                  |                  |
| Product parameters          |                                                 |                  |                  |                  |                  |
| Protection degree           | IP 65                                           |                  |                  |                  |                  |
| 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                                         |                  |                  |                  |                  |

### Appearance and Dimensions



| Model       | MD-RSD 150-40-1 | MD-RSD 150-40-2 | MD-RSD 150-40-3 |
|-------------|-----------------|-----------------|-----------------|
| SIZE mm(in) |                 |                 |                 |
| L           | 273(10.75)      | 273(10.75)      | 313(12.32)      |
| L1          | 254(10)         | 254(10)         | 294(11.57)      |
| L2          | 290(11.42)      | 290(11.42)      | 330(12.99)      |

| Model       | MD-RSD 150-40-4 | MD-RSD 150-40-5 |
|-------------|-----------------|-----------------|
| SIZE mm(in) |                 |                 |
| L           | 363(14.29)      | 423(16.65)      |
| L1          | 344(13.54)      | 404(15.90)      |
| L2          | 380(14.96)      | 440(17.32)      |