

### Rift 3.6 - 6.6 KW

Application: Residential Use



#### Superior Performance

- Maximum efficiency of 98.2%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids



#### High Reliability

- IP66 protection level for outdoor installation
- Optional: DC/AC Type II SPD
- Optional: AFCI 2.0 function



#### Intelligent Maintenance

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- Multiple I/O and communication configurations



SINGLE  
PHASE &  
DUAL  
MPPT

|                               |                                                                                 |         |         |         |         |         |
|-------------------------------|---------------------------------------------------------------------------------|---------|---------|---------|---------|---------|
| Efficiency                    |                                                                                 |         |         |         |         |         |
| Max. Efficiency               | 98.2%                                                                           |         |         |         |         |         |
| European Efficiency           | 97.4%                                                                           |         |         |         |         |         |
| Input (PV)                    |                                                                                 |         |         |         |         |         |
| Max. Input Voltage            | 550V                                                                            |         |         |         |         |         |
| Max. PV Configuration (STC)   | 150%                                                                            |         |         |         |         |         |
| Rated Input Voltage           | 360V                                                                            |         |         |         |         |         |
| Max. Input Current            | 20A/20A                                                                         |         |         |         |         |         |
| Max. Short Circuit Current    | 30A/30A                                                                         |         |         |         |         |         |
| Start Input Voltage           | 50V                                                                             |         |         |         |         |         |
| MPPT Operating Voltage Range  | 40V-540V                                                                        |         |         |         |         |         |
| Number of MPPTs               | 2                                                                               |         |         |         |         |         |
| No. of PV Strings             | 1/1                                                                             |         |         |         |         |         |
| Output (Grid)                 |                                                                                 |         |         |         |         |         |
| Rated AC Active Power         | 3,600W                                                                          | 4,000W  | 4,600W  | 5,000W  | 6,000W  | 6,600W  |
| Max. AC Apparent Power        | 3,960VA                                                                         | 4,400VA | 5,060VA | 5,500VA | 6,600VA | 7,260VA |
| Max. AC Output Current        | 18A                                                                             | 20A     | 23A     | 25A     | 30A     | 33A     |
| Rated AC Voltage              | 220V/230V/240V, L+N+PE                                                          |         |         |         |         |         |
| AC Voltage Range①             | 160V-300V (Adjustable)                                                          |         |         |         |         |         |
| Rated Grid Frequency          | 50Hz/60Hz                                                                       |         |         |         |         |         |
| Grid Frequency Range②         | 45Hz-55Hz/55Hz-65Hz (Adjustable)                                                |         |         |         |         |         |
| THDI                          | <3%@Rated Power                                                                 |         |         |         |         |         |
| DC Current Injection          | <0.5%@Rated Current                                                             |         |         |         |         |         |
| Power Factor                  | > 0.99@Rated power (Adjustable 0.8 LD - 0.8 LG)                                 |         |         |         |         |         |
| Protection                    |                                                                                 |         |         |         |         |         |
| DC Switch                     | Yes                                                                             |         |         |         |         |         |
| Anti-Islanding Protection     | Yes                                                                             |         |         |         |         |         |
| AC Overcurrent Protection     | Yes                                                                             |         |         |         |         |         |
| AC Short Circuit Protection   | Yes                                                                             |         |         |         |         |         |
| DC Reverse Protection         | Yes                                                                             |         |         |         |         |         |
| Surge Arrester                | DC Type III (Type II optional)/AC Type III (Type II optional)                   |         |         |         |         |         |
| Insulation Detection          | Yes                                                                             |         |         |         |         |         |
| Leakage Current Protection    | Yes                                                                             |         |         |         |         |         |
| AFCI 2.0                      | Optional                                                                        |         |         |         |         |         |
| PID Recovery                  | Optional                                                                        |         |         |         |         |         |
| String Intelligent Monitoring | Yes                                                                             |         |         |         |         |         |
| Consumption Monitoring        | Optional                                                                        |         |         |         |         |         |
| General                       |                                                                                 |         |         |         |         |         |
| Topology                      | Transformerless                                                                 |         |         |         |         |         |
| IP Rating                     | IP66                                                                            |         |         |         |         |         |
| Night Self Consumption        | <1W (Standard)                                                                  |         |         |         |         |         |
| Cooling Method                | Natural Cooling                                                                 |         |         |         |         |         |
| Operating Temperature Range   | -25°C~60°C                                                                      |         |         |         |         |         |
| Relative Humidity Range       | 0-100%                                                                          |         |         |         |         |         |
| Max. Operating Altitude       | 4000m                                                                           |         |         |         |         |         |
| Dimensions (W*H*D)            | 297mm*282mm*145mm                                                               |         |         |         |         |         |
| Weight                        | 7.2kg                                                                           |         |         |         |         |         |
| HMI & COM                     |                                                                                 |         |         |         |         |         |
| Display                       | Wireless & APP+LED, LCD (Optional)                                              |         |         |         |         |         |
| Communication Interface       | RS485/Wi-Fi/4G/LAN                                                              |         |         |         |         |         |
| Certification                 |                                                                                 |         |         |         |         |         |
| Safety                        | IEC 62109-1, IEC 62109-2                                                        |         |         |         |         |         |
| Grid Code                     | IEC 61727/62116, IEC 60068, IEC 61683, VDE 4105, PORTARIA n°140, PORTARIA n°515 |         |         |         |         |         |
| Warranty                      | 5 Years/10 Years (Optional)                                                     |         |         |         |         |         |

Remarks: · ①②The range of output voltage and frequency may vary depending on different grid codes.  
· Specifications are subject to change without advanced notice.