

## Specifications

| Model                            | GT1-2K5D2                                                 | GT1-3KD2 | GT1-3K3D2 | GT1-3K6D2             | GT1-4KD2 | GT1-5KD2C | GT1-5KD2              | GT1-6KD2 |
|----------------------------------|-----------------------------------------------------------|----------|-----------|-----------------------|----------|-----------|-----------------------|----------|
| PV Input                         |                                                           |          |           |                       |          |           |                       |          |
| Max. DC Input Power              | 3750Wp                                                    | 4500Wp   | 4950Wp    | 5400Wp                | 6000Wp   | 7500Wp    | 7500Wp                | 9000Wp   |
| Max. DC Input Voltage            | 600V                                                      |          |           |                       |          |           |                       |          |
| Min PV Input Voltage             | 70V                                                       |          |           |                       |          |           |                       |          |
| Start-up DC Input Voltage        | 90V                                                       |          |           |                       |          |           |                       |          |
| Nominal DC Input Voltage         | 360V                                                      |          |           |                       |          |           |                       |          |
| MPPT Voltage Range               | 70-550V                                                   |          |           |                       |          |           |                       |          |
| Max. PV Current                  | 16A+16A                                                   |          |           |                       |          |           |                       |          |
| Max. Short Circuit Current       | 20A+20A                                                   |          |           |                       |          |           |                       |          |
| No. of MPPTs/Strings per MPPT    | 2/1                                                       |          |           |                       |          |           |                       |          |
| AC Output                        |                                                           |          |           |                       |          |           |                       |          |
| Nominal AC Power                 | 2500W                                                     | 3000W    | 3300W     | 3600W                 | 4000W    | 5000W     | 5000W                 | 6000W    |
| Max. Apparent Power              | 2750VA                                                    | 3300W    | 3630VA    | 3690VA <sup>[1]</sup> | 4400VA   | 5000VA    | 5500VA <sup>[3]</sup> | 6600VA   |
| Rated AC Grid Output Current     | 11.4A                                                     | 13.6A    | 15A       | 16.3A                 | 18.2A    | 22.7A     | 22.7A                 | 27.3A    |
| Max. AC Output Current           | 12.5A                                                     | 15A      | 16.5A     | 18A <sup>[2]</sup>    | 20A      | 22.7A     | 25A <sup>[4]</sup>    | 30A      |
| Rated AC Grid Voltage            | 220V/230V/240V, L+N+PE                                    |          |           |                       |          |           |                       |          |
| AC Grid Voltage Range            | 154V-290V (Adjustable)                                    |          |           |                       |          |           |                       |          |
| Rated Grid Frequency             | 50Hz/60Hz                                                 |          |           |                       |          |           |                       |          |
| Grid Frequency Range             | 45Hz-55Hz/55Hz-65Hz (Adjustable)                          |          |           |                       |          |           |                       |          |
| Power Factor                     | > 0.99 Rated Power (Adjustable 0.8 Leading - 0.8 Lagging) |          |           |                       |          |           |                       |          |
| THDi, Rated Power[%]             | <3%                                                       |          |           |                       |          |           |                       |          |
| Efficiency                       |                                                           |          |           |                       |          |           |                       |          |
| Max. Efficiency                  | 97.70%                                                    | 97.70%   | 97.70%    | 97.70%                | 97.70%   | 97.70%    | 97.70%                | 97.70%   |
| Euro Efficiency                  | 96.50%                                                    | 96.50%   | 96.50%    | 96.50%                | 97.00%   | 97.00%    | 97.00%                | 97.00%   |
| MPPT Efficiency                  | >99%                                                      |          |           |                       |          |           |                       |          |
| Protection                       |                                                           |          |           |                       |          |           |                       |          |
| Surge Arrester                   | Type II                                                   |          |           |                       |          |           |                       |          |
| Over Current Protection          | Support                                                   |          |           |                       |          |           |                       |          |
| AC Short Circuit Protection      | Support                                                   |          |           |                       |          |           |                       |          |
| Over Voltage Protection          | Support                                                   |          |           |                       |          |           |                       |          |
| Anti-islanding Protection        | Support                                                   |          |           |                       |          |           |                       |          |
| Ground Fault Monitoring          | Support                                                   |          |           |                       |          |           |                       |          |
| Residual Current Monitoring Unit | Support                                                   |          |           |                       |          |           |                       |          |
| DC Reverse Polarity Protection   | Support                                                   |          |           |                       |          |           |                       |          |
| AC Auxiliary Power Supply (APS)  | Optional                                                  |          |           |                       |          |           |                       |          |
| Anti-arc Protection              | Optional                                                  |          |           |                       |          |           |                       |          |
| General Data                     |                                                           |          |           |                       |          |           |                       |          |
| Dimension (W*H*D)                | 368*325*150mm                                             |          |           |                       |          |           |                       |          |
| Weight                           | 12kg                                                      |          |           |                       |          |           |                       |          |
| Protection Degree                | IP65                                                      |          |           |                       |          |           |                       |          |
| Cooling                          | Natural Cooling                                           |          |           |                       |          |           |                       |          |
| Operating Temperature Range      | -30℃ ~ +60℃（Derating at 45℃）                              |          |           |                       |          |           |                       |          |
| Display                          | LED+APP                                                   |          |           |                       |          |           |                       |          |
| Communication                    | RS485(Meter), Wi-Fi                                       |          |           |                       |          |           |                       |          |
| Topology                         | Transformerless                                           |          |           |                       |          |           |                       |          |
| Certifications and Standards     |                                                           |          |           |                       |          |           |                       |          |
| Grid Regulation                  | IEC61727, IEC62116, ORDINANCE No. 140, EN50549            |          |           |                       |          |           |                       |          |
| Safety/EMC Standard              | IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4              |          |           |                       |          |           |                       |          |

Remarks: [1]: 3690(3680W for G98); [2]: 18(16.7A for G98); [3]: 5500(4999W for AS4777); [4]: 25(22.7A for AS4777);