

SDT G2 Series

Dual-MPPT, Three-Phase



| Technical Data | GW4K-DT | GW5K-DT | GW6K-DT | GW8K-DT | GW10KT-DT | GW12KT-DT | GW15KT-DT |
|--------------------------------------|---|-----------------|-----------------|-------------|-------------|-------------|-------------|
| PV String Input Data | | | | | | | |
| Max. DC Input Power (W) | 6000 | 7500 | 9000 | 12000 | 15000 | 18000 | 22500 |
| Max. DC Input Voltage (V) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| MPPT Range (V) | 180~850 | 180~850 | 180~850 | 180~850 | 180~850 | 180~850 | 180~850 |
| Start-up Voltage (V) | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| Min. Feed-in Voltage(V) | 210 | 210 | 210 | 210 | 210 | 210 | 210 |
| Nominal DC Input Voltage (V) | 620 | 620 | 620 | 620 | 620 | 620 | 620 |
| Max. Input Current (A) | 12.5/12.5 | 12.5/12.5 | 12.5/12.5 | 12.5/12.5 | 12.5/12.5 | 12.5/25 | 12.5/25 |
| Max. Short Current (A) | 15.6/15.6 | 15.6/15.6 | 15.6/15.6 | 15.6/15.6 | 15.6/15.6 | 15.6/31.2 | 15.6/31.2 |
| No. of MPP Trackers | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| No. of Input Strings Per MPP Tracker | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/2 | 1/2 |
| AC Output Data | | | | | | | |
| Nominal Output Power (W) | 4000 | 5000 | 6000 | 8000 | 10000 | 12000 | 15000 |
| Max. Output Apparent Power (VA) | 4400*1 | 5500*1 | 6600*1 | 8800*1 | 11000*1 | 14000*1 | 16500*1 |
| Nominal Output Voltage (V) | 400, 3L/N/PE | | | | | | |
| Nominal Output Frequency (Hz) | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 | 50/60 |
| Max. Output Current (A) | 6.4 | 8 | 9.6 | 12.8 | 16 | 20.3 | 24 |
| Output Power Factor | ~1 (Adjustable from 0.8 leading to 0.8 lagging) | | | | | | |
| Output THDi (@Nominal Output) | <3% | <3% | <3% | <3% | <3% | <3% | <3% |
| Efficiency | | | | | | | |
| Max. Efficiency | 98.2% | 98.2% | 98.2% | 98.2% | 98.3% | 98.3% | 98.3% |
| European Efficiency | >97.6% | >97.6% | >97.6% | >97.6% | >97.7% | >97.7% | >97.7% |
| Protection | | | | | | | |
| Anti-Islanding Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Input Reverse Polarity Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Insulation Resistor Detection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| DC Surge Protection | Integrated (Type III) | | | | | | |
| AC Surge Protection | Integrated (Type III) | | | | | | |
| Residual Current Monitoring Unit | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Output Over Current Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Output Short Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| Output Over Voltage Protection | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated | Integrated |
| General Data | | | | | | | |
| Operating Temperature Range (°C) | -30~60 | -30~60 | -30~60 | -30~60 | -30~60 | -30~60 | -30~60 |
| Relative Humidity | 0~100% | 0~100% | 0~100% | 0~100% | 0~100% | 0~100% | 0~100% |
| Operating Altitude (m) | ≤4000 | ≤4000 | ≤4000 | ≤4000 | ≤4000 | ≤4000 | ≤4000 |
| Cooling | Natural Cooling | Natural Cooling | Natural Cooling | Fan Cooling | Fan Cooling | Fan Cooling | Fan Cooling |
| User Interface | LCD&LED | | | | | | |
| Communication | WiFi or LAN or RS485 | | | | | | |
| Weight (kg) | 15 | 15 | 15 | 16 | 16 | 18 | 18 |
| Size (Width*Height*Depth mm) | 354*433*147 | 354*433*147 | 354*433*147 | 354*433*155 | 354*433*155 | 354*433*155 | 354*433*155 |
| Protection Degree | IP65 | IP65 | IP65 | IP65 | IP65 | IP65 | IP65 |
| Night Self Consumption (W) | <1 | <1 | <1 | <1 | <1 | <1 | <1 |
| Topology | Transformerless | | | | | | |

*1: For Belgium Max. Output Apparent Power (VA): GW4K-DT is 4000; GW5K-DT is 5000; GW6K-DT is 6000; GW8K-DT is 8000; GW10KT-DT is 10000; GW12KT-DT is 12000; GW15KT-DT is 15000.

*: Please visit GoodWe website for the latest certificates.