

# SDT Series

Dual MPPT, Three Phase



| Technical Data                       | GW5000L-DT                                      | GW6000L-DT           | GW10KL-DT       |
|--------------------------------------|---|----------------------|-----------------|
| <b>PV String Input Data</b>          |   |                      |                 |
| Max. DC Input Power (Wp)             | 6650  | 7980                 | 13300           |
| Max. DC Input Voltage (V)            | 600   | 600                  | 600             |
| MPPT Range (V)                       | 200~550   | 200~550              | 200~550         |
| Start-up Voltage (V)                 | 180   | 180                  | 180             |
| Min. Feed-in Voltage(V)              | 210   | 210                  | 210             |
| Nominal DC Input Voltage (V)         | 480   | 480                  | 480             |
| Max. Input Current (A)               | 11/11   | 11/11                | 22/11           |
| Max. Short Current (A)               | 13.8/13.8                                       | 13.8/13.8            | 27.6/13.8       |
| No. of MPP Trackers                  | 2   | 2                    | 2               |
| No. of Input Strings Per MPP Tracker | 1/1   | 1/1                  | 1/2             |
| <b>AC Output Data</b>                |   |                      |                 |
| Nominal Output Power (W)             | 5000  | 6000                 | 10000           |
| Max. Output Apparent Power (VA)      | 5000  | 6000                 | 10000           |
| Nominal Output Voltage (V)           | 400, 3L/N/PE                                    | 400, 3L/N/PE         | 400, 3L/N/PE    |
| Nominal Output Frequency (Hz)        | 50/60   | 50/60                | 50/60           |
| Max. Output Current (A)              | 8.5   | 10                   | 15.2            |
| Output Power Factor                  | ~1 (Adjustable from 0.8 leading to 0.8 lagging) |                      |                 |
| Output THDi (@Nominal Output)        | <2%   | <2%                  | <2%             |
| <b>Efficiency</b>                    |   |                      |                 |
| Max. Efficiency                      | 98.0%   | 98.0%                | 98.3%           |
| European Efficiency                  | >97.5%  | >97.5%               | >98.0%          |
| <b>Protection</b>                    |   |                      |                 |
| PV String current Monitoring         | Integrated                                      | Integrated           | Integrated      |
| Anti-Islanding Protection            | Integrated                                      | Integrated           | Integrated      |
| Input Reverse Polarity Protection    | Integrated                                      | Integrated           | Integrated      |
| Insulation Resistor Detection        | Integrated                                      | Integrated           | Integrated      |
| Residual Current Monitoring Unit     | Integrated                                      | Integrated           | Integrated      |
| Output Over Current Protection       | Integrated                                      | Integrated           | Integrated      |
| Output Short Protection              | Integrated                                      | Integrated           | Integrated      |
| Output Over Voltage Protection       | Integrated                                      | Integrated           | Integrated      |
| DC SPD Protection                    | Integrated (Type III)                           |                      |                 |
| AC SPD Protection                    | Integrated (Type III)                           |                      |                 |
| <b>General Data</b>                  |   |                      |                 |
| Operating Temperature Range (°C)     | -25~60  | -25~60               | -25~60          |
| Relative Humidity                    | 0~100%  | 0~100%               | 0~100%          |
| Operating Altitude (m)               | ≤4000   | ≤4000                | ≤4000           |
| Cooling                              | Natural Cooling                                 | Natural Convection   | Natural Cooling |
| Noise (dB)                           | <30   | <30                  | <30             |
| User Interface                       | LCD & LED                                       | LCD & LED            | LCD & LED       |
| Communication                        | RS485 or WiFi or LAN                            | RS485 or WiFi or LAN | RS485 or WiFi   |
| Weight (kg)                          | 24  | 24                   | 26              |
| Size (Width*Height*Depth mm)         | 516*415*192                                     | 516*415*192          | 516*455*192     |
| Protection Degree                    | IP65  | IP65                 | IP65            |
| Night Self Consumption (W)           | <1  | <1                   | <1              |
| Topology                             | Transformerless                                 |                      |                 |