



# Turn On Your Profits



LCD

Super Large  
5-inch LCD



Export Control



30% PV Oversizing



30% Lighter

## DT Series

Dual-MPPT, Three-Phase

17KW

20KW

25KW

The GoodWe DT series inverter is suitable for commercial and industrial roofs as well as small and medium-sized photovoltaic power systems. Because of the reliable grid support capabilities, high waterproof and dustproof grade and extra-wide voltage range of module, it can not only be used in commercial roof and commercial power station PV systems, but also is qualified for the design requirements of large-megawatt power stations.

| Technical Data                   |                                   | GW17K-DT  | GW20K-DT  | GW25K-DT  |
|----------------------------------|-----------------------------------|---|---|---|
| PV String Input Data             | Max. DC Input Power (W)           | 22100   | 26000   | 32500   |
|                                  | Max. DC Input Voltage (V)*        | 1000  | 1000  | 1000  |
|                                  | MPPT Range (V)                    | 260~850   | 260~850   | 260~850   |
|                                  | Start-up Voltage (V)              | 250   | 250   | 250   |
|                                  | MPPT Range for Full Load (V)      | 400~850   | 470~850   | 480~850   |
|                                  | Nominal DC Input Voltage (V)      | 620   | 620   | 620   |
|                                  | Max. Input Current (A)            | 22/22   | 22/22   | 27/27   |
|                                  | Max. Short Current (A)            | 27.5/27.5   | 27.5/27.5   | 33.8/33.8   |
|                                  | No. of MPP Trackers               | 2   | 2   | 2   |
| No. of Input Strings per Tracker | 2                                 | 2   | 3   |   |
| AC Output Data                   | Nominal Output Power (W)          | 17000   | 20000   | 25000   |
|                                  | Max. Output Apparent Power (VA)   | 17000   | 20000   | 25000   |
|                                  | 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)           | 25  | 30  | 37  |
|                                  | Output Power Factor               | ~1 (Adjustable from 0.8 leading to 0.8 lagging)   |   |   |
| Output THDi (@Nominal Output)    | <1.5%                             | <1.5%   | <1.5%   |   |
| Efficiency                       | Max. Efficiency                   | 98.2%   | 98.4%   | 98.4%   |
|                                  | Euro Efficiency                   | 97.7%   | 98.1%   | 98.1%   |
| Protection                       | Anti-islanding Protection         | Integrated  | Integrated  | Integrated  |
|                                  | Input Reverse Polarity Protection | Integrated  | Integrated  | Integrated  |
|                                  | Insulation Resistor Detection     | Integrated  | Integrated  | Integrated  |
|                                  | DC SPD Protection                 | 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  |
| General Data                     | 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                           | Fan Cooling   | Fan Cooling   | Fan Cooling   |
|                                  | Noise (dB)                        | <45   | <45   | <45   |
|                                  | User Interface                    | LCD & LED   | LCD & LED   | LCD & LED   |
|                                  | Communication                     | RS485 or WiFi   | RS485 or WiFi   | RS485 or WiFi   |
|                                  | Weight (kg)                       | 39  | 39  | 40  |
|                                  | Size (Width*Height*Depth mm)      | 516*650*203   | 516*650*203   | 516*650*203   |
|                                  | Protection Degree                 | IP65  | IP65  | IP65  |
|                                  | Night Self Consumption (W)        | <1  | <1  | <1  |
| Topology                         | Transformerless                   | Transformerless   | Transformerless   |   |
| Certifications & Standards       | Grid Regulation                   | VDE0126-1-1, VDE-AR-N 4105, AS4777.2, G83/2, EN50438(PL), EN50438(SW), EN50438(IR), NRS 097-2-1, ERDF-NOI-RES_13E, IEC61727, IEC62116 | VDE0126-1-1, VDE-AR-N 4105, AS4777.2, G83/2, EN50438(PL), EN50438(SW), EN50438(IR), NRS 097-2-1, ERDF-NOI-RES_13E, IEC61727, IEC62116, MEA, PEA | VDE0126-1-1, VDE-AR-N 4105, AS4777.2, G83/2, EN50438(PL), EN50438(SW), EN50438(IR), NRS 097-2-1, ERDF-NOI-RES_13E, IEC61727, IEC62116 |
|                                  | Safety Regulation                 | IEC62109-1&2  | IEC62109-1&2  | IEC62109-1&2  |
|                                  | EMC                               | EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4  |   |   |

\*: Maximum operating voltage is 950V.