

## GoodWe Monitoring System

WiFi Automatic Matching via App



>>>Monitoring Website: [www.goodwe-power.com](http://www.goodwe-power.com)  
>>>EzViewer for iOS/Android



**Smart DT Series**  
Dual-MPPT, Three-Phase  
3kW/4kW/5kW

**DT Series**  
Dual-MPPT, Three-Phase  
10kW/12kW/15kW/17kW/20kW

- Maximum Efficiency up to 98.2%
- European Efficiency up to 97.5%
- MPPT Efficiency over 99.5%
- DC switch
- IP65 dust-proof and water-proof rating
- 45°C full-load output
- Super large 5-inch LCD
- 30% lighter than similar products
- Multiple monitoring and communication
- up to 800 pieces can be integrated in one system

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WHERE THE SUN SHINES, THERE IS GOODWE!

| Technical Data                   | GW4000-DT                                                                          | GW5000-DT                   | GW6000-DT                   |
|----------------------------------|------------------------------------------------------------------------------------|-----------------------------|-----------------------------|
| DC Input Data                    |                                                                                    |                             |                             |
| Max. DC power [W]                | 4200                                                                               | 5200                        | 6200                        |
| Max. DC voltage [V]              | 1000                                                                               | 1000                        | 1000                        |
| MPPT voltage range [V]           | 200~800                                                                            | 200~800                     | 200~800                     |
| Starting voltage [V]             | 180                                                                                | 180                         | 180                         |
| Max. DC current [A]              | 11/11                                                                              | 11/11                       | 11/11                       |
| No. of DC connectors             | 2                                                                                  | 2                           | 2                           |
| No. of MPPTs                     | 2 (can parrallel)                                                                  | 2 (can parrallel)           | 2 (can parrallel)           |
| DC connector                     | SUNCLIX / MC4 (optional)                                                           | SUNCLIX / MC4 (optional)    | SUNCLIX / MC4 (optional)    |
| AC Output Data                   |                                                                                    |                             |                             |
| Normalinal AC power [W]          | 4000                                                                               | 5000                        | 6000                        |
| Max. AC power [W]                | 4000                                                                               | 5000                        | 6000                        |
| Max. AC current [A]              | 7                                                                                  | 8.5                         | 10                          |
| Norminal AC output               | 50/60Hz; 400Vac                                                                    | 50/60Hz; 400Vac             | 50/60Hz; 400Vac             |
| AC output range                  | 45~55Hz/55~65Hz; 310~480Vac                                                        | 45~55Hz/55~65Hz; 310~480Vac | 45~55Hz/55~65Hz; 310~480Vac |
| THDi                             | <1.5%                                                                              | <1.5%                       | <1.5%                       |
| Power factor                     | 0.9 leading~0.9 lagging                                                            | 0.9 leading~0.9 lagging     | 0.90 leading~0.9 lagging    |
| Grid connection                  | 3W/N/PE                                                                            | 3W/N/PE                     | 3W/N/PE                     |
| Efficiency                       |                                                                                    |                             |                             |
| Max. efficiency                  | 97.8%                                                                              | 97.8%                       | 97.8%                       |
| Euro efficiency                  | >96.7%                                                                             | >96.7%                      | >96.7%                      |
| MPPT adaptation efficiency       | >99.5%                                                                             | >99.5%                      | >99.5%                      |
| Protection                       |                                                                                    |                             |                             |
| Residual current monitoring unit | Integrated                                                                         | Integrated                  | Integrated                  |
| Anti-islanding protection        | Integrated                                                                         | Integrated                  | Integrated                  |
| DC switch                        | Integrated (optional)                                                              | Integrated (optional)       | Integrated (optional)       |
| AC over current protection       | Integrated                                                                         | Integrated                  | Integrated                  |
| Insulation monitoring            | Integrated                                                                         | Integrated                  | Integrated                  |
| Certifications&Standards         |                                                                                    |                             |                             |
| Grid regulation                  | VDE-AR-N 4105, AS4777.2&3, IEC62109-2, VDE0126-1-1+A1, EN50438, G83/2              |                             |                             |
| Safety                           | IEC62109-1&-2, AS3100                                                              |                             |                             |
| EMC                              | EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3 |                             |                             |
| General Data                     |                                                                                    |                             |                             |
| Dimensions (WxHxD)               | 516*474*192mm                                                                      | 516*474*192mm               | 516*474*192mm               |
| Weight [kg]                      | 24                                                                                 | 24                          | 24                          |
| Mounting                         | Wall bracket                                                                       | Wall bracket                | Wall bracket                |
| Ambient temperature range        | -25~60°C (>45°C derating)                                                          | -25~60°C (>45°C derating)   | -25~60°C (>45°C derating)   |
| Relative humidity                | 0~95%                                                                              | 0~95%                       | 0~95%                       |
| Max. operating altitude          | 2000m                                                                              | 2000m                       | 2000m                       |
| Protection degree                | IP65                                                                               | IP65                        | IP65                        |
| Topology                         | Transformerless                                                                    | Transformerless             | Transformerless             |
| Night power consumption [W]      | <1                                                                                 | <1                          | <1                          |
| Cooling                          | Nature Convection                                                                  | Nature Convection           | Nature Convection           |
| Noise emision [dB]               | <30                                                                                | <30                         | <30                         |
| Display                          | 5.0" LCD                                                                           | 5.0" LCD                    | 5.0" LCD                    |
| Communication                    | USB2.0; RS485 or WiFi                                                              | USB2.0; RS485 or WiFi       | USB2.0; RS485 or WiFi       |
| Standard warranty [years]        | 5/10/15/20/25 (optional)                                                           | 5/10/15/20/25 (optional)    | 5/10/15/20/25 (optional)    |
|                                  |                                                                                    |                             |                             |

| Technical Data                   | GW10K-DT                                                                                                     | GW12K-DT                                                                                             | GW15K-DT          | GW17K-DT                                                                                       | GW20K-DT          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------|-------------------|
| DC Input Data                    |                                                                                                              |                                                                                                      |                   |                                                                                                |                   |
| Max. DC power [W]                | 10200                                                                                                        | 12300                                                                                                | 15400             | 17500                                                                                          | 20500             |
| Max. DC voltage [V]              | 1000                                                                                                         | 1000                                                                                                 | 1000              | 1000                                                                                           | 1000              |
| MPPT voltage range [V]           | 260~850                                                                                                      | 260~850                                                                                              | 260~850           | 260~850                                                                                        | 260~850           |
| Starting voltage [V]             | 250                                                                                                          | 250                                                                                                  | 250               | 250                                                                                            | 250               |
| Max. DC current [A]              | 22/11                                                                                                        | 22/11                                                                                                | 22/22             | 22/22                                                                                          | 22/22             |
| No. of DC connectors             | 4                                                                                                            | 4                                                                                                    | 6                 | 6                                                                                              | 6                 |
| No. of MPPTs                     | 2                                                                                                            | 2                                                                                                    | 2 (can parrallel) | 2 (can parrallel)                                                                              | 2 (can parrallel) |
| DC connector                     | SUNCLIX / MC4 (optional)                                                                                     |                                                                                                      |                   |                                                                                                |                   |
| AC Output Data                   |                                                                                                              |                                                                                                      |                   |                                                                                                |                   |
| Normalal AC power [W]            | 10000                                                                                                        | 12000                                                                                                | 15000             | 17000                                                                                          | 20000             |
| Max. AC power [W]                | 10000                                                                                                        | 12000                                                                                                | 15000             | 17000                                                                                          | 20000             |
| Max. AC current [A]              | 17                                                                                                           | 19                                                                                                   | 25                | 25                                                                                             | 30                |
| Normalal AC output               | 50/60Hz; 400Vac                                                                                              |                                                                                                      |                   |                                                                                                |                   |
| AC output range                  | 45~55Hz/55~65Hz; 310~480Vac                                                                                  |                                                                                                      |                   |                                                                                                |                   |
| THDi                             | <1.5%                                                                                                        |                                                                                                      |                   |                                                                                                |                   |
| Power factor                     | 0.9 leading~0.9 lagging                                                                                      |                                                                                                      |                   |                                                                                                |                   |
| Grid connection                  | 3W/N/PE                                                                                                      |                                                                                                      |                   |                                                                                                |                   |
| Efficiency                       |                                                                                                              |                                                                                                      |                   |                                                                                                |                   |
| Max. efficiency                  | 98.0%                                                                                                        | 98.0%                                                                                                | 98.2%             | 98.2%                                                                                          | 98.2%             |
| Euro efficiency                  | >97.5%                                                                                                       | >97.5%                                                                                               | >97.5%            | >97.5%                                                                                         | >97.5%            |
| MPPT adaptation efficiency       | >99.5%                                                                                                       | >99.5%                                                                                               | >99.5%            | >99.5%                                                                                         | >99.5%            |
| Protection                       |                                                                                                              |                                                                                                      |                   |                                                                                                |                   |
| Residual current monitoring unit | Integrated                                                                                                   |                                                                                                      |                   |                                                                                                |                   |
| Anti-islanding protection        | Integrated                                                                                                   |                                                                                                      |                   |                                                                                                |                   |
| DC switch                        | Integrated (optional)                                                                                        |                                                                                                      |                   |                                                                                                |                   |
| AC over current protection       | Integrated                                                                                                   |                                                                                                      |                   |                                                                                                |                   |
| Insulation monitoring            | Integrated                                                                                                   |                                                                                                      |                   |                                                                                                |                   |
| Certifications&Standards         |                                                                                                              |                                                                                                      |                   |                                                                                                |                   |
| Grid regulation                  | VDE-AR-N 4105, G59/2<br>AS4777.2&.3, IEC62109-2<br>VDE0126-1-1+A1<br>EN50438, RD1699<br>MEA, PEA, NRS097-2-1 | VDE-AR-N 4105, AS4777.2&.3,<br>IEC62109-2,<br>VDE0126-1-1+A1,<br>EN50438,<br>RD1699,NRS097-2-1,G59/2 |                   | AS4777.2&.3,<br>G59/2, IEC62109-2<br>VDE0126-1-1+A1<br>EN50438, RD1699<br>MEA, PEA, NRS097-2-1 |                   |
| Safety                           | IEC62109-1&-2, AS3100                                                                                        |                                                                                                      |                   |                                                                                                |                   |
| EMC                              | EN 61000-6-1,EN 61000-6-2,EN 61000-6-3,EN 61000-6-4, EN 61000-3-11, EN 61000-3-12                            |                                                                                                      |                   |                                                                                                |                   |
| General Data                     |                                                                                                              |                                                                                                      |                   |                                                                                                |                   |
| Dimensions (WxHxD)               | 516*650*203mm                                                                                                |                                                                                                      |                   |                                                                                                |                   |
| Weight [kg]                      | 39                                                                                                           |                                                                                                      |                   |                                                                                                |                   |
| Mounting                         | Wall bracket                                                                                                 |                                                                                                      |                   |                                                                                                |                   |
| Ambient temperature range        | -25~60°C (>45°C derating)                                                                                    |                                                                                                      |                   |                                                                                                |                   |
| Relative humidity                | 0~95%                                                                                                        |                                                                                                      |                   |                                                                                                |                   |
| Max. operating altitude          | 2000m                                                                                                        |                                                                                                      |                   |                                                                                                |                   |
| Protection degree                | IP65                                                                                                         |                                                                                                      |                   |                                                                                                |                   |
| Topology                         | Transformerless                                                                                              |                                                                                                      |                   |                                                                                                |                   |
| Night power consumption [W]      | <1                                                                                                           |                                                                                                      |                   |                                                                                                |                   |
| Cooling                          | Fan cooling                                                                                                  |                                                                                                      |                   |                                                                                                |                   |
| Noise emision [dB]               | <45                                                                                                          |                                                                                                      |                   |                                                                                                |                   |
| Display                          | 5.0" LCD                                                                                                     |                                                                                                      |                   |                                                                                                |                   |
| Communication                    | USB2.0; RS485 or WiFi                                                                                        |                                                                                                      |                   |                                                                                                |                   |
| Standard warranty [years]        | 5/10/15/20/25 (optional)                                                                                     |                                                                                                      |                   |                                                                                                |                   |