



**GOODWE**  
*your solar engine*



### **DT Series**

Dual-MPPT, Three-Phase

10kW/12kW/15kW/17kW/20kW/25kW

- Maximum Efficiency up to 98.5%
- European Efficiency up to 98.1%
- MPPT Efficiency up to 99.9%
- 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 80 pieces can be integrated in one system

**Integrated WiFi Solution**  
*multiple user access and mobile Apps*



**Good Quality Good Value Good Service GoodWe**

## Technical Data

GW10K-DT

GW12K-DT

GW15K-DT

GW17K-DT

GW20K-DT

GW25K-DT

### DC Input Data

|                        |                          |         |                  |                  |                  |                  |
|------------------------|--------------------------|---------|------------------|------------------|------------------|------------------|
| Max. DC power [W]      | 10200                    | 12300   | 15400            | 17500            | 20500            | 25800            |
| Max. DC voltage [V]    | 1000                     | 1000    | 1000             | 1000             | 1000             | 1000             |
| MPPT voltage range [V] | 260~850                  | 260~850 | 260~850          | 260~850          | 260~850          | 260~850          |
| Starting voltage [V]   | 250                      | 250     | 250              | 250              | 250              | 250              |
| Max. DC current [A]    | 22/11                    | 22/11   | 22/22            | 22/22            | 22/22            | 27/27            |
| No. of DC connectors   | 3                        | 3       | 4                | 4                | 4                | 6                |
| No. of MPPTs           | 2                        | 2       | 2 (can parallel) | 2 (can parallel) | 2 (can parallel) | 2 (can parallel) |
| DC connector           | SUNCLIX / MC4 (optional) |         |                  |                  |                  |                  |

### AC Output Data

|                     |                             |       |       |       |       |       |
|---------------------|-----------------------------|-------|-------|-------|-------|-------|
| Normal AC power [W] | 10000                       | 12000 | 15000 | 17000 | 20000 | 25000 |
| Max. AC power [W]   | 10000                       | 12000 | 15000 | 17000 | 20000 | 25000 |
| Max. AC current [A] | 17                          | 19    | 25    | 25    | 30    | 37    |
| Normal 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%  | 98.4%  | 98.5%  |
| Euro efficiency            | >97.7% | >97.7% | >97.7% | >97.7% | >98.1% | >98.1% |
| MPPT adaptation efficiency | 99.9%  | 99.9%  | 99.9%  | 99.9%  | 99.9%  | 99.9%  |

### 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<br>AS4777.2&3,<br>IEC61727, EN50438<br>VDE0126-1-1<br>ERDF-NOI-RES_13E<br>MEA, PEA, G59/3<br>NRS097-2-1 | VDE-AR-N 4105, AS4777.2&3,<br>IEC61727, VDE0126-1-1<br>EN50438, NRS097-2-1,<br>G59/3, ERDF-NOI-RES_13E | AS4777.2&3,<br>G59/3, IEC61727<br>VDE0126-1-1<br>EN50438, RD1699<br>MEA, PEA,<br>NRS097-2-1 | VDE-AR-N 4105,<br>IEC61727,<br>VDE0126-1-1<br>EN50438, G59/3 |
| 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                        | 41 |
| Mounting                    | Wall bracket              |    |
| Ambient temperature range   | -25~60°C (>45°C derating) |    |
| Relative humidity           | 0~95%                     |    |
| Max. operating altitude     | 3000m                     |    |
| Protection degree           | IP65                      |    |
| Topology                    | Transformerless           |    |
| Night power consumption [W] | <1                        |    |
| Cooling                     | Fan cooling               |    |
| Noise emission [dB]         | <45                       |    |
| Display                     | 5.0" LCD                  |    |
| Communication               | USB2.0; RS485 or WiFi     |    |
| Standard warranty [years]   | 5/10/15/20/25 (optional)  |    |