



**GOODWE**  
*your solar engine*



**Smart DT Series**  
Dual-MPPT, Three-Phase  
4kW/5kW/6kW/8kW/9kW/10kW

- Maximum Efficiency up to 98.3%
- European Efficiency up to 98%
- 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 methods

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



**Good Quality Good Value Good Service GoodWe**

## Technical Data

GW4000-DT

GW5000-DT

GW6000-DT

GW8000-DT\*

GW9000-DT\*

GW10KN-DT\*

### DC Input Data

Max. allowed PV Power [W]	5200	6500	7800	9600	10800	12000
Nominal DC Power [W]	4200	5200	6200	8300	9400	10500
Max. DC voltage [V]	1000	1000	1000	1000	1000	1000
MPPT voltage range [V]	200~800	200~800	200~800	200~850	200~850	200~850
Starting voltage [V]	180	180	180	180	180	180
Max. DC current [A]	11/11	11/11	11/11	11/11	11/11	11/11
No. of DC connectors	2	2	2	2	2	2
No. of MPPTs	2 (can parallel)			2 (can parallel)		
DC connector	MC4/ Phoenix/ Amphenol			MC4/ Phoenix/ Amphenol		

### AC Output Data

Norminal AC power [W]	4000	5000	6000	8000	9000	10000
Max. AC power [W]	4000	5000	6000	8000	9000	10000
Max. AC current [A]	7	8.5	10	12.1	13.6	15.2
Norminal AC output	50/60Hz; 400Vac			50/60Hz; 400Vac		
AC output range	45~55Hz/55~65Hz; 310~480Vac			45~55Hz/55~65Hz; 310~480Vac		
THDi	<1.5%			<2%		
Power factor	0.8 leading~0.8 lagging			0.80leading...0.80lagging		
Grid connection	3W/N/PE			3W/N/PE		

### Efficiency

Max. efficiency	98%	98%	98%	98.3%	98.3%	98.3%
Euro efficiency	>97.5%	>97.5%	>97.5%	>98.0%	>98.0%	>98.0%
MPPT adaptation efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%

### Protection

Residual current monitoring unit	Integrated	Integrated
Anti-islanding protection	Integrated	Integrated
DC switch	Integrated (optional)	Integrated(optional)
AC over current protection	Integrated	Integrated
Insulation monitoring	Integrated	Integrated

### Certifications & Standards

Grid regulation	VDE-AR-N 4105, AS4777.2, ERDF-NOI-RES_13E; VDE0126-1-1, EN50438 ,G83/2	VDE-AR-N 4105, AS4777.2, ERDF-NOI-RES_13E; VDE0126-1-1, EN50438 ,G83/2
Safety	IEC62109-1&-2	IEC62109-1&-2
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	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) [mm]	516*474*192	516*474*192
Weight [kg]	24	24
Mounting	Wall bracket	Wall bracket
Ambient temperature range	-25~60°C (>45°C derating)	-25~60°C (>45°C derating)
Relative humidity	0~95%	0~95%
Max. operating altitude	4000m(> 3000m derating)	4000m(> 3000m derating)
Protection degree	IP65	IP65
Topology	Transformerless	Transformerless
Night power consumption [W]	<1	<1
Cooling	Natural convection	Natural convection
Noise emission [dB]	<30	<30
Display	5.0" LCD	5.0" LCD
Communication	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)

\*Available in Q2