

## 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
<b>DC Input Data</b>			
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)
<b>AC Output Data</b>			
Norminal 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
<b>Efficiency</b>			
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%
<b>Protection</b>			
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
<b>Certifications&amp;Standards</b>			
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		
<b>General Data</b>			
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
<b>DC Input Data</b>					
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)				
<b>AC Output Data</b>					
Norminal 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
Norminal 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				
<b>Efficiency</b>					
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%
<b>Protection</b>					
Residual current monitoring unit	Integrated				
Anti-islanding protection	Integrated				
DC switch	Integrated (optional)				
AC over current protection	Integrated				
Insulation monitoring	Integrated				
<b>Certifications&amp;Standards</b>					
Grid regulation	VDE-AR-N 4105, G59/2, AS4777.2&3, IEC62109-2, VDE0126-1-1+A1, EN50438, RD1699, MEA, PEA, NRS097-2-1	VDE-AR-N 4105, AS4777.2&3, IEC62109-2, VDE0126-1-1+A1, EN50438, RD1699, RD1699,NRS097-2-1, G59/2	AS4777.2&3, G59/2, IEC62109-2, VDE0126-1-1+A1, EN50438, RD1699, 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				
<b>General Data</b>					
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)				