

GoodWe Monitoring System

WiFi Automatic Matching via App



>>>Monitoring Website: 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

■ www.goodwe.com.cn ■ Global Service Hotline: +86 4009 281 333 ■ service@goodwe.com.cn

GoodWe (Germany)
Münwikerstr. 59
24943 Flensburg Germany
T: 0049 461 5897 0235
F: 0049 461 5897 0235
europa@goodwe.com.cn
www.goodwe.de

GoodWe (UK)
93 Caversham Place
Sutton Coldfield B73 6HW
T: +44 12 1238 0053
uk@goodwe.com.cn
www.goodwe.com.cn

GoodWe (Netherlands)
Zevenwouden 194,
3524 CX Utrecht, the Netherlands
T: +31 6 1988 6509
+31 6 1988 6512
service@goodwe.com.cn
www.goodwe.com.cn

GoodWe (Australia)
74 Tarana Avenue,
Glenroy VIC 3046, Australia
T: +61 3 9972 9938
australia@goodwe.com.cn
www.goodwe.de

GoodWe (China)
No.189 Kunlunshan Rd., SND,
Suzhou, 215163, China
T: +86 512 6239 6771
F: +86 512 6239 7972
sales@goodwe.com.cn
www.goodwe.com.cn

WHERE THE SUN SHINES, THERE IS GOODWE!

Technical Data

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				
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
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℃ (>45℃ derating)		-25~60℃ (>45℃ derating)	-25~60℃ (>45℃ 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					
Normal 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
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%	98.2%
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 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,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				
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)				