



## Smart DT Series(Dual-MPPT, Three-Phase)

GoodWe smart DT series inverter is typically designed for home solar systems, covering 4kW/5kW/6kW. By adopting cutting-edge technology of photovoltaic field, it provides three phase AC output, making home system connection well balanced, safer and more convenient. The integrated two MPPTs allow two-array inputs from different roof orientations. And the combination of both RS485 and WIFI communication makes the system well interactive and extremely easy to be monitored.

- Maximum Efficiency up to 97.8%
- European Efficiency up to 96.7%
- MPPT Efficiency over 99.5%
- DC switch
- IP65 dust-proof and water-proof
- 45°C full-load output
- Super large 5-inch LCD
- Lighter than similar products
- Multiple monitoring and communication
- Up to 800 pieces can be integrated in one system

Technical Data	GW4000-DT	GW5000-DT	GW6000-DT
<b>DC Input Data</b>			
Max. PV-generator power [W]	4200	5200	6200
Max. DC voltage [V]	1000	1000	1000
MPPT voltage range [V]	200~800	200~800	200~800
Turn on DC voltage [V]	180	180	180
Max. DC work current [A]	11/11	11/11	11/11
Number of inputs/MPP trackers	2/2 (can parallel)	2/2 (can parallel)	2/2 (can parallel)
DC connector	SUNCLIX, MC IV (optional)	SUNCLIX, MC IV (optional)	SUNCLIX, MC IV (optional)
Standby power consumption [W]	10	10	10
<b>AC Output Data</b>			
Nominal AC power [W]	4000	5000	6000
Max. AC power [W]	4000	5000	6000
Max. AC current [A]	7	8.5	10
Nominal output voltage range	VDE-AR-N 4105, VDE 0126-1-1/A1, G83/1,AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, G83/1,AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, G83/1,AS4777.2/3
AC grid frequency	VDE-AR-N 4105, VDE 0126-1-1/A1, G83/1,AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, G83/1,AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, G83/1,AS4777.2/3
THDi	<1.5%	<1.5%	<1.5%
Power factor	0.90 leading...0.90 lagging	0.90 leading...0.90 lagging	0.90 leading...0.90 lagging
AC connection	3W/N/PE, 230/400V	3W/N/PE, 230/400V	3W/N/PE, 230/400V
<b>Efficiency</b>			
Max. efficiency	97.8%	97.8%	97.8%
European efficiency	>96.7%	>96.7%	>96.7%
MPPT adaptation efficiency	>99.5%	>99.5%	>99.5%
<b>Safety Equipment</b>			
Leakage current monitoring unit	Integrated	Integrated	Integrated
DC switch	Optional	Optional	Optional
Islanding protection	AFD	AFD	AFD
Grid monitoring	VDE-AR-N 4105, VDE 0126-1-1/A1, G83/1,AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, G83/1,AS4777.2/3	VDE-AR-N 4105, VDE 0126-1-1/A1, G83/1,AS4777.2/3
<b>Normative Reference</b>			
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
Safety compliance	IEC 62109-1/2, AS3100	IEC 62109-1/2, AS3100	IEC 62109-1/2, AS3100
<b>General Data</b>			
Dimensions (W*H*D) [mm]	516*474*192	516*474*192	516*474*192
Net weight [kg]	24	24	24
Housing	For outdoor and indoor	For outdoor and indoor	For outdoor and indoor
Mounting information	Wall mounting	Wall mounting	Wall mounting
Operating temperature range	-20~60°C (up 45°C derating)	-20~60°C (up 45°C derating)	-20~60°C (up 45°C derating)
Relative humidity	0~95%	0~95%	0~95%
Site altitude [m]	2000	2000	2000
IP protection class	IP65	IP65	IP65
Topology	Transformerless	Transformerless	Transformerless
Cooling concept	Natural convection	Natural convection	Natural convection
Noise level [dB]	<30	<30	<30
Display	5" LCD	5" LCD	5" LCD
Communication	USB2.0; RS485/Wi-Fi/ZigBee(optional)	USB2.0; RS485/Wi-Fi/ZigBee(optional)	USB2.0; RS485/Wi-Fi/ZigBee(optional)
Standard warranty [years]	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)	5/10/15/20/25 (optional)

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