DT Series(Dual-MPPT, Three-Phase)

GoodWe DT series inverter adopts cutting-edge technology in photovoltaic fields. Higher conversion efficiency and lower energy losses are guaranteed to maximize customer satisfaction. With its reliable power grid support management and high protective class, the DT series is compatible with different types of branded solar panels and is also ideal for commercial rooftop systems. This safe and reliable series is the first choice for residential, commercial installations and power plants.

- 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℃ 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

Technical Data	GW09K-DT	GW10K-DT	GW12K-DT	GW15K-DT	GW17K-DT	GW20K-DT	GW25K-DT
DC Input Data							
Max. recommended PV Power [W]	11700	13000	15600	19500	22100	26000	32500
Nominal DC Power [W]	9200	10200	12300	15400	17500	20500	25800
Max. DC voltage [V]	1000	1000	1000	1000	1000	1000	1000
MPPT voltage range [V]	260~850	260~850	260~850	260~850	260~850	260~850	260~850
Starting voltage [V]	250	250	250	250	250	250	250
Max. DC current [A]	22/11	22/11	22/11	22/22	22/22	22/22	27/27
No. of DC connectors	3	3	3	4	4	4	6
No. of MPPTs	2	2	2	2 (can parallel)	2 (can parallel)	2 (can parallel)	2 (can parallel)
DC connector	MC4/ Phoenix/ Amphenol						
AC Output Data							
Norminal AC power [W]	9000	10000	12000	15000	17000	20000	25000
Max. AC power [W]	9000	10000	12000	15000	17000	20000	25000
Max. AC current [A]	15	17	19	25	25	30	37
Norminal AC output	50/60Hz; 400Vac						
AC output range	45~55Hz/55~65Hz; 310~480Vac						
THDi	<1.5%						
Power factor	0.8 leading~0.8 lagging						
Grid connection	3W/N/PE						
Efficiency							
Max. efficiency	98.0%	98.0%	98.0%	98.2%	98.2%	98.4%	98.4%
Euro efficiency	>97.7%	>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%	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	VDE0126-1-1, G83/2, ERDF-NOI-RES_13E	VDE-AR-N 4105, AS4777.2/.3, VDE0126-1-1, MEA&PEA, G59/3, NRS097-2-1, IEC61727, EN50438 ERDF-NOI-RES_13E	VDE-AR-N4105, AS4777.2/.3, IEC61727, VDE0126-1-1, EN50438, NRS097-2-1, G59/3, ERDF-NOI-RES_13E;		AS4777.2/.3, VDE-AR-N 4105, VDE0126-1-1, MEA&PEA, G59/3, NRS097-2-1, IEC61727, EN50438 ERDF-NOI-RES_13E	VDE-AR-N 4105, IEC61727, VDE0126-1-1, EN50438, G59/3;	
Safety	IEC62109-1&-2, AS3100						IEC62109-1&-2
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) [mm]	516*650*203						
Weight [kg]	39						40
Mounting	Wall bracket						
Ambient temperature range	-25~60°C (>45°C derating)						
Relative humidity	0~95%						
Max. operating altitude	4000m(> 3000m derating)						
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)						