



GOLDEN PIN 金點
DESIGN AWARD 设计獎



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 98.4%
- European Efficiency up to 98.1%
- 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

Technical Data

	GW15K-DT	GW17K-DT	GW20K-DT	GW25K-DT
DC Input Data				
Max. allowed PV Power [W]	19500	22100	26000	32500
Nominal DC Power [W]	15400	17500	20500	25800
Max. DC voltage [V]	1000	1000	1000	1000
MPPT voltage range [V]	260~850	260~850	260~850	260~850
Starting voltage [V]	250	250	250	250
Max. DC current [A]	22/22	22/22	22/22	27/27
No. of DC connectors	4	4	4	6
No. of MPPTs	2 (can parallel)	2 (can parallel)	2 (can parallel)	2 (can parallel)
DC connector	MC4/ Phoenix/ Amphenol			
AC Output Data				
Normal AC power [W]	15000	17000	20000	25000
Max. AC power [W]	15000	17000	20000	25000
Max. AC current [A]	25	25	30	37
Normal 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	98.2%	98.2%	98.4%	98.4%
Euro efficiency	>97.7%	>97.7%	>98.1%	>98.1%
MPPT adaptation efficiency	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	VDE-AR-N4105, AS4777.2/3, IEC61727, VDE0126-1-1, EN50438, NRS097-2-1, G59/3, ERDF-NOI-RES_13E;	AS4777.2/3, En50438, VDE-AR-N 4105, VDE0126-1-1, MEA&PEA, G59/3, NRS097-2-1, IEC61727, 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 emission [dB]	<45			
Display	5.0" LCD			
Communication	Wi-Fi; RS485 or Ethernet			
Standard warranty [years]	5/10/15/20/25 (optional)			