



GOODWE
your solar engine

Photon
Test



DT Series

Dual-MPPT, Three-Phase

10kW/12kW/15kW/17kW/20kW

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.

Integrated WiFi Solution
multiple user access and mobile Apps



GoodWe
EzViewer



GoodWe
EzViewer

www.goodwe.com.cn

WHERE THE SUN SHINES, THERE IS GOODWE.

- 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

Technical Data	GW10K-DT	GW12K-DT	GW15K-DT	GW17K-DT	GW20K-DT
DC Input Data					
Max. PV-generator 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
Turn on DC voltage [V]	250	250	250	250	250
Max. DC work current [A]	22/11	22/11	22/22	22/22	22/22
Number of inputs/MPP trackers	4/2	4/2	6/2 (can parallel)	6/2 (can parallel)	6/2 (can parallel)
DC connector	SUNCLIX, MC IV (optional)		SUNCLIX, MC IV (optional)		
Standby power consumption [W]	10		10		
AC Output Data					
Nominal 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
Nominal AC output	50Hz; 400Vac		50Hz; 400Vac		
AC output range	45~55Hz; 310~480Vac		45~55Hz; 310~480Vac		
	May vary as per corresponding country's grid standard		May vary as per corresponding country's grid standard		
THDi	<1.5%		<1.5%		
Power factor	0.90 leading...0.90 lagging		0.90 leading...0.90 lagging		
AC connection	3W/N/PE, 230/400V		3W/N/PE, 230/400V		
Efficiency					
Max. efficiency	98.0%	98.0%	98.2%	98.2%	98.2%
European efficiency	>97.5%	>97.5%	>97.5%	>97.5%	>97.5%
MPPT adaptation efficiency	>99.5%	>99.5%	>99.5%	>99.5%	>99.5%
Safety Equipment					
Leakage current monitoring unit	Integrated	Integrated	Integrated	Integrated	Integrated
DC switch	Optional	Optional	Optional	Optional	Optional
Islanding protection	AFD	AFD	AFD	AFD	AFD
Grid monitoring	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, G59/2, MEA+PEA, AS4777.2/.3, EN62109-2, EN50438, CNCA/CTS 0004-2009A, NRS 097-2-1				
Surge Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Normative Reference					
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		
Safety compliance	IEC 62109-1, AS3100, CNCA/CTS0006-2010		IEC 62109-1, AS3100, CNCA/CTS0006-2010		
General Data					
Dimensions (W*H*D) [mm]	516*650*203		516*650*203		
Net weight [kg]	39		39		
Housing	For outdoor and indoor		For outdoor and indoor		
Mounting information	Wall mounting		Wall mounting		
Operating temperature range	-20~60°C (up 45°C derating)		-20~60°C (up 45°C derating)		
Relative humidity	0~95%		0~95%		
Site altitude [m]	2000		2000		
IP protection class	IP65		IP65		
Topology	Transformerless		Transformerless		
Cooling concept	Fan cooling		Fan cooling		
Noise level [dB]	<45		<45		
Display	5" LCD		5" LCD		
Communication	USB2.0; RS485 or Wi-Fi		USB2.0; RS485 or Wi-Fi		
Standard warranty [years]	5/10/15/20/25 (optional)		5/10/15/20/25 (optional)		