

GOODWE

DT Series 3-phase



Where the sun shines, there is Goodwe!

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.

Features

- 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

DC INPUT	GW10K-DT	GW12K-DT	GW15K-DT	GW17K-DT	GW20K-DT
Max. PV-generator power	10200 W	12300 W	15400 W	17500 W	20500 W
Max. DC voltage	1000 V	1000 V	1000 V	1000 V	1000 V
MPPT voltage range	260~850 V	260~850 V	260~850 V	260~850 V	260~850 V
Turn on DC voltage	250 V	250 V	250 V	250 V	250 V
Max. DC work current	22/11 A	22/11 A	22/22 A	22/22 A	22/22 A
Number of inputs/MPP trackers	4/2	4/2	6/2 (can parallel)	6/2 (can parallel)	6/2 (can parallel)
DC connector	SUNCLIX, MC4	SUNCLIX, MC4	SUNCLIX, MC4	SUNCLIX, MC4	SUNCLIX, MC4
Standby power consumption	10 W	10 W	10 W	10 W	10 W
AC OUTPUT					
Nominal AC power	10000 W	12000 W	15000 W	17000 W	20000 W
Max. AC power	10000 W	12000 W	15000 W	17000 W	20000 W
Max. AC current	17 A	19 A	25 A	25 A	30 A
Nominal output voltage range	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, G59/2, AS4777.2/.3				
AC grid frequency	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, G59/2, AS4777.2/.3				
THDi	<1.5%				
Power factor	0.90 leading...0.90 lagging				
AC connector	3W/N/PE, 230/400 V				
EFFICIENCY					
Max. efficiency	98.0%	98.0%	98.2%	98.2%	98.2%
European efficiency	>97.5%				
MPPT adaptation efficiency	>99.5%				
SAFETY EQUIPMENT					
Leakage current monitoring unit	Integrated				
DC switch	Optional				
Islanding protection	AFD				
Grid monitoring	VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, G59/2, AS4777.2/.3				
NORMATIVE REFERENCE					
EMC compliance	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4				
Safety compliance	IEC 62109-1, AS3100				
GENERAL DATA					
Dimensions (W x H x D)	516 x 650 x 203 mm				
Net weight	39 kg				
Housing	For outdoor and indoor				
Mounting information	Wall mounting				
Operating temperature range	-20~60°C (up 45°C derating)				
Relative humidity	0~95%				
Site altitude	2000 m				
IP protection class	IP65				
Topology	Transformerless				
Cooling concept	Fan cooling				
Noise level	<45 dB				
Display	5" LCD				
Communication	USB 2.0; RS485/Wi-Fi/ZigBee (optional)				
Standard warranty	5 years (10/15/20/25 optional)				