



GW17K-DT (Dual-MPPT Three-phase)

The GW17K-DT photovoltaic inverter is suitable for commercial and industrial roofs and constructions of small and medium-sized photovoltaic power stations. This model uses full-digital control technology, advanced topologies and leading inverter control technology to achieve a conversion efficiency of up to 98.2%. The optimized inductor design ensures less noise and higher voltage efficiency. The reliable grid support capabilities, high waterproof and dustproof grade and extra-wide voltage access range of components not only can be used in commercial roof and commercial power station systems, but also is qualified for the design requirements of large-megawatt power station.

High Performance

- Maximum Efficiency up to 98.2%
- European Efficiency up to 97.4%
- MPPT Efficiency over 99.5%

High Safety and Reliability

- DC switch disconnecter
- IP65 dust-proof and water-proof
- 45°C full-load output

Customer-oriented Design

- 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 GW17K-DT

DC Input Data	
Max. PV-generator power [W]	17500
Max. DC voltage [V]	1000
MPPT voltage range [V]	260~850
Turn on DC voltage [V]	250
Max. DC work current [A]	22/22
Number of inputs/MPP trackers	6/2 (can parallel)
DC connector	MC IV Connector
Standby power consumption [W]	10
AC Output Data	
Nominal AC power [W]	17000
Max. AC power [W]	17000
Max. AC current [A]	25
Nominal output voltage range	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/3
AC grid frequency	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, ENEL, G59/2, AS4777.2/3
THDi	<1.5%
Power factor	0.95 leading...0.95 lagging
AC connector	3W/N/PE, 230/400V
Efficiency	
Max. efficiency	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	According to VDE-AR-N 4105, VDE 0126-1-1/A1, RD1699, CEI 0-21, 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	According to IEC 62109-1, AS3100
General Data	
Dimensions (W*H*D) [mm]	516*650*203
Net weight [kg]	39
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 [m]	2000
IP protection class	IP65
Topology	Transformerless
Cooling concept	Fan cooling
Noise level [dB]	<45
Display	5" LCD
Communication	USB2.0; RS485 [Wireless(ZigBee) optional]
Standard warranty [years]	5/10/15/20/25(optional)