GOLDEN PIN DESIGN AWARD

DT Series (Dual-MPPT, Three-Phase)

The GoodWe DT series inverter is suitable for commercial and industrial roofs as well as small and medium-sized photovoltaic power systems. It has lower loss, more compact and lighter weight, extremely low THDi compared to similar products so that the power grid is purer. Because of the reliable grid support capabilities, high waterproof and dustproof grade and extra-wide voltage range of module, it can not only be used in commercial roof and commercial power station PV systems, but also is qualified for the design requirements of large-megawatt power stations.

- Perfect for commercial rooftop
- Super large 5-inch LCD
- IP65 dustproof and waterproof
- IP68 rated cooling fan
- RS485, Wi-Fi and Ethernet communication

Technical Data	GW17K-DT	GW20K-DT	GW25K-DT
PV String Input Data			
Max. DC Input Power (W)	22100	26000	32500
Max. DC Input Voltage (V)*	1000	1000	1000
MPPT Range (V)	260~850	260~850	260~850
Start-up Voltage (V)	250	250	250
MPPT Range for Full Load (V)	400~850	470~850	480~850
Nominal DC Input Voltage (V)	620	620	620
Max. Input Current (A)	22/22	22/22	27/27
Max. Short Current (A)	27.5/27.5	27.5/27.5	33.8/33.8
No. of MPP Trackers	2	2	2
No. of Input Strings per Tracker	2	2	3
AC Output Data			
Nominal Output Power (W)	17000	20000	25000
Max. Output Apparent Power (VA)	17000	20000	25000
Nominal Output Voltage (V)	400, 3L/N/PE	400, 3L/N/PE	400, 3L/N/PE
Nominal Output Frequency (Hz)	50/60	50/60	50/60
Max. Output Current (A)	25	30	37
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Output THDi (@Nominal Output)	<1.5%	<1.5%	<1.5%
Efficiency			
Max. Efficiency	98.2%	98.4%	98.4%
Europe Efficiency	97.7%	98.1%	98.1%
MPPT Efficiency	99.9%	99.9%	99.9%
Protection			
Anti-islanding Protection	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated
DC SPD Protectioin	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated
General Data			
Operating Temperature Range (°C)	-25~60	-25~60	-25~60
Relative Humidity	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000
Cooling	Fan Cooling	Fan Cooling	Fan Cooling
Noise (dB)	<45	<45	<45
User Interface	LCD & LED	LCD & LED	LCD & LED
Communication	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi
Weight (kg)	39	39	40
Size (Width*Height*Depth mm)	516*650*203mm	516*650*203mm	516*650*203mm
Protection Degree	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1
Topology	Transformerless	Transformerless	Transformerless
Certifications & Standards			
Grid Regulation	VDE0126-1-1, VDE-AR-N 4105, AS4777.2, G83/2, EN50438(PL), EN50438(SW), EN50438(IR), NRS 097-2-1, ERDF-NOI-RES_13E, IEC61727, IEC62116	VDE0126-1-1, VDE-AR-N 4105, AS4777.2, G83/2, EN50438(PL), EN50438(SW), EN50438(IR), NRS 097-2-1,ERDF-NOI-RES_13E, IEC61727, IEC62116, MEA, PEA	VDE0126-1-1, VDE-AR-N 4105, AS4777.2, G83/2, EN50438(PL), EN50438(SW), EN50438(IR), NRS 097-2-1, ERDF-NOI-RES_13E, IEC61727, IEC62116
Safety Regulation	IEC62109-1&2	IEC62109-1&2	IEC62109-1&2
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4		

*: Maximum operating voltage is 950V