GOODWE

SDT G2 Series

17-25kW I 2 MPPTs I Three Phase

The GoodWe 17-25kW SDT Series inverter is especially designed for three-phase residential and small commercial projects. With its compact design, the SDT inverter is 45% smaller than the first generation. The inverter is also light and easy to install. The maximum efficiency of this inverter is as high as 98.4%. With an advanced ventilation system, the inverter is able to dissipate heat efficiently. In addition, it can be customised with an integrated LCD scree.



- Compatible with bifacial modules
- 150% DC input oversizing
- 110% AC output overloading
- Max. Efficiency 98.4%
- Compact and light weight

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Technical Data	GW17KT-DT	GW20KT-DT	GW25KT-DT
Input			
Max. Input Voltage (V)	1100	1100	1100
MPPT Operating Voltage Range (V)	200 ~ 950	200 ~ 950	200 ~ 950
Start-up Voltage (V)	180	180	180
Nominal Input Voltage (V)	620	620	620
Max. Input Current per MPPT (A)	25.0	25.0	37.5 / 25.0
Max. Short Circuit Current per MPPT (A)	31.2	31.2	46.8 / 31.2
Number of MPP Trackers	2	2	2
Number of Strings per MPPT	2	2	3 / 2
Output			
Nominal Output Power (W)	17000	20000	25000
Nominal Output Apparent Power (VA)	17000	20000	25000
Max. AC Active Power (W)	19000	22000	27500
Max. AC Apparent Power (VA)	19000	22000	27500
Nominal Output Voltage (V)	400, 3L / N / PE	400, 3L / N / PE	400, 3L / N / PE
Output Voltage Range (V) (according to local standard)	180 ~ 270	180 ~ 270	180 ~ 270
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50 / 60
AC Grid Frequency Range (Hz)	45 ~ 55 / 55 ~ 65	45 ~ 55 / 55 ~ 65	45 ~ 55 / 55 ~ 65
Max. Output Current (A)	28.8	31.9	40.8
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Max. Total Harmonic Distortion	<3%	<3%	<3%
Efficiency			
Max. Efficiency	98.4%	98.4%	98.4%
European Efficiency	97.7%	97.7%	97.7%
Protection			
PV Insulation Resistance Detection	Integrated	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated	Integrated
PV Reverse Polarity Protection	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated
AC Overcurrent Protection	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated
DC Switch	Integrated	Integrated	Integrated
DC Surge Protection	Type III(Type II Optional)	Type III(Type II Optional)	Type III(Type II Optional)
AC Surge Protection	Type III	Type III	Type III
AFCI	Optional	Optional	Optional
General Data			
Operating Temperature Range (°C)	-30 ~ +60	-30 ~ +60	-30 ~ +60
Relative Humidity	0 ~ 100%	0 ~ 100%	0 ~ 100%
Max. Operating Altitude (m)*1	4000	4000	4000
Cooling Method	Smart Fan Cooling	Smart Fan Cooling	Smart Fan Cooling
User Interface	LCD, LED (Optional), WLAN + APP		
Communication	WiFi, RS485 or LAN (Optional)		
Communication Protocols	Modbus-RTU (SunSpec Compliant)		
Weight (kg)	25.0	25.0	25.0
Dimension (W × H × D mm)	415 × 511 × 175	415 × 511 × 175	415 × 511 × 175
Topology	Non-isolated	Non-isolated	Non-isolated
Self-consumption at Night (W)	<1	<1	<1
Ingress Protection Rating	IP65	IP65	IP65
DC Connector	MC4 (4 ~ 6mm²)	MC4 (4 ~ 6mm²)	MC4 (4 ~ 6mm²)
AC Connector	AC Connector	AC Connector	AC Connector

*1: For Australia, Max. Operating Altitude (m) is 3000.
*: Please visit GoodWe website for the latest certificates.

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