

GOODWE

SDT G2 Series

17-25kW | 2 MPPTs | 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 screen.



Compatible with bifacial modules



150% DC input oversizing



110% AC output overloading



Max. Efficiency 98.4%



Compact and light weight

Technical Data	GW17KT-DT	GW20KT-DT	GW25KT-DT
PV String Input Data			
Max. DC Input Power (Wp)	25500	30000	37500
Max. DC Input Voltage (V)	1100	1100	1100
MPPT Operating Voltage Range (V)	200~950	200~950	200~950
Starting Voltage (V)	180	180	180
Nominal DC Input Voltage (V)	620	620	620
Max. Input Current per MPPT (A)	25 / 25	25 / 25	37.5 / 25
Max. Short Circuit Current per MPPT (A)	31.2 / 31.2	31.2 / 31.2	46.8 / 31.2
Number of MPPTs	2	2	2
Number of Strings per MPPT	2	2	3 / 2
AC Output Data			
Nominal Output Power (W)	17000	20000	25000
Nominal Output Apparent Power (VA)	17000	20000	25000
Max. Output Apparent Power (VA)	19000*1	22000*1	27500*1
Nominal Output Voltage (V)		400, 3L / N / PE	
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50 / 60
Max. Output Current (A)	28.8	31.9	40.8
Output 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
DC 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)	4000	4000	4000
Cooling Method	Smart Fan Cooling	Smart Fan Cooling	Smart Fan Cooling
Display	LCD, LED(Optional), WLAN+APP		
Communication	RS485, WiFi or LAN(Optional)	RS485, WiFi or LAN(Optional)	RS485, WiFi or LAN(Optional)
Communication Protocols	SunSpec Modbus	SunSpec Modbus	SunSpec Modbus
Weight (kg)	25.0	25.0	25.0
Dimension WxHxD (mm)	415x511x175	415x511x175	415x511x175
Topology	Non-isolated	Non-isolated	Non-isolated
Self-consumption at Night (W)	<1	<1	<1
Ingress Protection Rating	IP65	IP65	IP65
DC Connector	MC4 (4~6mm ²)	MC4 (4~6mm ²)	MC4 (4~6mm ²)

*1: For Belgium Max. Output Apparent Power (VA): GW17KT-DT is 17000; GW20KT-DT is 20000; GW25KT-DT is 25000.

*: Please visit GoodWe website for the latest certificates.



Color Options: White (EMEA), Red (None-EMEA)