

Small, But Powerful

SDT G2 Series

Dual-MPPT, Three-Phase

- Highest efficiency up to 98.3%
- Compatible with bifacial modules
- 50% DC oversizing
- 10% AC overloading
- Arc-fault circuit interrupter



The inverter SDT G2 from GoodWe is one of the best options available on the residential & commercial markets thanks to its technical strengths that make it one of the most efficient in the market. Its high efficiency (98.3%), its enhanced oversizing & overloading capabilities and the fact that it does not require a null line for installation represents an outstanding improvement in the industry.

Technical Data	GW4K-DT	GW5K-DT	GW6K-DT	GW8K-DT	GW10KT-DT
PV String Input Data					
Max. DC Input Power (Wp)	6000	7500	9000	12000	15000
Max. DC Input Voltage (V)	1000	1000	1000	1000	1000
MPPT Range (V)	180~850	180~850	180~850	180~850	180~850
Start-up Voltage (V)	160	160	160	160	160
Max. Input Current (A)	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5
Max. Short Current (A)	15.6/15.6	15.6/15.6	15.6/15.6	15.6/15.6	15.6/15.6
No. of MPP Trackers	2	2	2	2	2
No. of Input Strings Per MPP Tracker	1/1	1/1	1/1	1/1	1/1
AC Output Data					
Nominal Output Power (W)	4000	5000	6000	8000	10000
Max. Output Apparent Power (VA)	4400	5500	6600	8800	11000
Nominal Output Voltage (V)	400, 3L/N/PE; 3L/PE(Optional)				
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	6.4	8	9.6	12.8	16
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%	<3%
Efficiency					
Max. Efficiency	98.2%	98.2%	98.2%	98.2%	98.3%
European Efficiency	97.6%	97.6%	97.6%	97.6%	97.7%
Protection					
Anti-Islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Protection	Integrated(Type III)	Integrated(Type III)	Integrated(Type III)	Integrated(Type III)	Integrated(Type III)
AC Surge Protection	Integrated(Type III)	Integrated(Type III)	Integrated(Type III)	Integrated(Type III)	Integrated(Type III)
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated
Arc Fault Circuit Interrupter	Optional	Optional	Optional	Optional	Optional
Terminal Temperature Detection	Optional	Optional	Optional	Optional	Optional
General Data					
Operating Temperature Range (°C)	-30~60	-30~60	-30~60	-30~60	-30~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling	Natural Cooling	Natural Cooling	Natural Cooling	Fan Cooling	Fan Cooling
Noise (dB)	<30	<30	<30	<30	<30
User Interface	LCD&LED	LCD&LED	LCD&LED	LCD&LED	LCD&LED
Communication	WiFi or LAN(Optional)	WiFi or LAN(Optional)	WiFi or LAN(Optional)	WiFi or LAN(Optional)	WiFi or LAN(Optional)
Weight (kg)	15	15	15	16	16
Size (Width*Height*Depth mm)	347*432*150	347*432*150	347*432*150	347*432*150	347*432*150
Protection Degree	IP65	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1	<1
Topology	Transformerless				
Certifications & Standards					
Grid Regulation	VDE-AR-N 4105, IEC61727, IEC62116				
Safety Regulation	IEC62109-1&-2				
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4				