

SDT G2 Series

Dual-MPPT, Three-Phase



Technical Data	GW4K-DT	GW4KL-DT	GW5K-DT	GW5KL-DT	GW6K-DT	GW6KL-DT	GW8K-DT	GW10KT-DT	GW12KT-DT	GW15KT-DT
PV String Input Data										
Max. DC Input Power (Wp)	6000	6000	7500	7500	9000	9000	12000	15000	18000	22500
Max. DC Input Voltage (V)	1000	600	1000	600	1000	600	1000	1000	1000	1000
MPPT Range (V)	180~850	180~550	180~850	180~550	180~850	180~550	180~850	180~850	180~850	180~850
Start-up Voltage (V)	160	160	160	160	160	160	160	160	160	160
Min. Feed-in Voltage(V)	210	210	210	210	210	210	210	210	210	210
Nominal DC Input Voltage (V)	620	480	620	480	620	480	620	620	620	620
Max. Input Current (A)	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5	12.5/25	12.5/25
Max. Short Current (A)	15.6/15.6	15.6/15.6	15.6/15.6	15.6/15.6	15.6/15.6	15.6/15.6	15.6/15.6	15.6/15.6	15.6/31.2	15.6/31.2
No. of MPP Trackers	2	2	2	2	2	2	2	2	2	2
No. of Input Strings Per MPP Tracker	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/2	1/2
AC Output Data										
Nominal Output Power (W)	4000	4000	5000	5000	6000	6000	8000	10000	12000	15000
Max. Output Apparent Power (VA)	4400	4400	5500	5500	6600	6600	8800	11000	14000	16500
Nominal Output Voltage (V)	400, 3L/N/PE									
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	6.4	6.4	8	8	9.6	9.6	12.8	16	20.3	24
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)									
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency										
Max. Efficiency	98.2%	98.0%	98.2%	98.0%	98.2%	98.0%	98.2%	98.3%	98.3%	98.3%
European Efficiency	>97.6%	>97.5%	>97.6%	>97.5%	>97.6%	>97.5%	>97.6%	>97.7%	>97.7%	>97.7%
Protection										
Anti-Islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Protection	Integrated (Type III)									
AC Surge Protection	Integrated (Type III)									
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
General Data										
Operating Temperature Range (°C)	-30~60	-30~60	-30~60	-30~60	-30~60	-30~60	-30~60	-30~60	-30~60	-30~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling	Natural Cooling						Fan Cooling			
User Interface	LCD&LED									
Communication	WiFi*1 or LAN									
Weight (kg)	15	15	15	15	15	15	16	16	18	18
Size (Width*Height*Depth mm)	354*433*147						354*433*155			
Protection Degree	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Topology	Transformerless									

*1: Only compatible with 2.4Ghz network.

*: Please visit GoodWe website for the latest certificates.