

SDT G2 Series

Dual-MPPT, Three-Phase



Technical Data	GW4K-DT	GW5K-DT	GW6K-DT	GW8K-DT	GW10KT-DT	GW12KT-DT	GW15KT-DT
PV String Input Data							
Max. DC Input Power (W)	6000	7500	9000	12000	15000	18000	22500
Max. DC Input Voltage (V)	1000	1000	1000	1000	1000	1000	1000
MPPT Operating Voltage Range (V)	180~850	180~850	180~850	180~850	180~850	180~850	180~850
Start-up Voltage (V)	160	160	160	160	160	160	160
Nominal DC Input Voltage (V)	620	620	620	620	620	620	620
Max. Input Current per MPPT (A)	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 Circuit Current per MPPT (A)	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
Number of MPPT	2	2	2	2	2	2	2
Number of strings per MPPT	1/1	1/1	1/1	1/1	1/1	1/2	1/2
AC Output Data							
Nominal Output Power (W)	4000	5000	6000	8000	10000	12000	15000
Max. Output Apparent Power (VA)	4400*1	5500*1	6600*1	8800*1	11000*1	14000*1	16500*1
Nominal Output Voltage (V)	400, 3L/N/PE						
Nominal AC Grid Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	6.4	8	9.6	12.8	16	20.3	24
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)						
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency							
Max. Efficiency	98.2%	98.2%	98.2%	98.2%	98.3%	98.3%	98.3%
European Efficiency	>97.6%	>97.6%	>97.6%	>97.6%	>97.7%	>97.7%	>97.7%
Protection							
Anti-Islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Protection	Type III						
AC Surge Protection	Type III						
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Arc Fault Circuit Interrupter	Optional	Optional	Optional	Optional	Optional	Optional	Optional
General Data							
Operating Temperature Range (°C)	-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%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling Method	Natural Convection	Natural Convection	Natural Convection	Smart Fan Cooling	Smart Fan Cooling	Smart Fan Cooling	Smart Fan Cooling
Display	LED+LCD / WiFi+APP						
Communication	WiFi / LAN / RS485						
Weight (Kg)	15	15	15	16	16	18	18
Dimension (W×H×Dmm)	354×433×147	354×433×147	354×433×147	354×433×155	354×433×155	354×433×155	354×433×155
Ingress Protection Rating	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Night Power Consumption (W)	<1	<1	<1	<1	<1	<1	<1
Topology	Transformerless						

*1: For Belgium Max. Output Apparent Power (VA): GW4K-DT is 4000; GW5K-DT is 5000; GW6K-DT is 6000; GW8K-DT is 8000; GW10KT-DT is 10000; GW12KT-DT is 12000; GW15KT-DT is 15000.

*: Please visit GoodWe website for the latest certificates.

SDT G2 Series Australia Only

Dual-MPPT, Three-Phase



Technical Data	GW8KAU-DT	GW10KAU-DT	GW15KAU-DT	GW20KAU-DT
Input				
Max.Input Power (W)	12000	15000	22500	30000
Max.Input Voltage (V)	1100	1100	1100	1100
MPPT Operating Voltage Range (V)	140~950	140~950	140~950	140~950
Start-up Voltage (V)	180	180	180	180
Nominal Input Voltage (V)	620	620	620	620
Max. Input Current per MPPT (A)	30/30	30/30	30/30	30/30
Max. Short Circuit Current per MPPT (A)	37.5/37.5	37.5/37.5	37.5/37.5	37.5/37.5
Number of MPPT	2	2	2	2
Number of Strings per MPPT	2	2	2	2
Output				
Nominal Output Power (W)	8000	10000	15000	20000
Max. AC Apparent Power (VA)	8800	11000	16500	22000
Nominal Output Voltage (V)	400, 3L/N/PE	400, 3L/N/PE	400, 3L/N/PE	400, 3L/N/PE
Nominal AC Grid Frequency (Hz)	50	50	50	50
Max. Output Current (A)	12.8	16	24	31.9
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%
Efficiency				
Max. Efficiency	98.4%	98.4%	98.4%	98.4%
European Efficiency	97.5%	97.5%	97.5%	97.5%
Protection				
DC Insulation Resistance Detection	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated
DC Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated
AC Overcurrent Protection	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated	Integrated
DC Surge Arrester	Type II	Type II	Type II	Type II
AC Surge Arrester	Type III	Type III	Type III	Type III
DC Arc Fault Circuit Interrupter	Optional	Optional	Optional	Optional
General Data				
Operating Temperature Range (°C)	-30~60	-30~60	-30~60	-30~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%
Max. Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000
Cooling Method	Natural Convection	Natural Convection	Smart Fan Cooling	Smart Fan Cooling
Display	LED+LCD / WiFi+APP / Bluetooth+APP			
Communication	WiFi / LAN / RS485			
Weight (Kg)	20.5	20.5	26	26
Dimension (W×H×Dmm)	415×511×175	415×511×175	415×511×175	415×511×175
Topology	Transformerless	Transformerless	Transformerless	Transformerless
Night Power Consumption (W)	<1	<1	<1	<1
Ingress Protection Rating	IP65	IP65	IP65	IP65

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