



SDT Series

Dual-MPPT Three-Phase Grid-tied Inverter

5.0kW 6.0kW 8.0kW 9.0kW 10kW



IP 65



20% More Compact



Power Factor Adjustable



Remote Upgrade



Maximum efficiency up to 98.3%



30% lighter



Wide MPPT range



Export control



Wi-Fi /GPRS monitoring



Super large 5-inch LCD

Reference



10kW, 2pcs 5kW, Thailand



6kW, South Africa

Scan for details



Technical Data

	GW4000L-DT	GW5000L-DT	GW6000L-DT	GW10KL-DT
DC Input Data				
Max. DC Input Power (W)	5200	6500	7800	12000
Max. DC Input Voltage (V)	600	600	600	600
MPPT Range (V)	200~550	200~550	200~50	200~550
Start-up Voltage (V)	180	180	180	180
MPPT Range for Full Load (V)	195~550	240~550	285~550	320~550
Nominal DC Input Voltage (V)	480	480	480	620
Max. Input Current (A)	11/11	11/11	11/11	22/11
Max. Short Current (A)	13.8	13.8	13.8	27.6/13.8
No. of MPP Trackers	2	2	2	2
No. of Input Strings per Tracker	1/1	1/1	1/1	2/1
AC Output Data				
Nominal Output Power (W)	4000	5000	6000	10000
Max. Output Apparent Power (VA)	4000	5000	6000	10000
Nominal Output Voltage (V)	400, 3L/N/PE	400, 3L/N/PE	400, 3L/N/PE	400, 3L/N/PE
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60
Max. Output Current (A)	8.5	8.5	10	15.2
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
Output THDi (@Nominal Output)	<2%	<2%	<2%	<2%
Efficiency				
Max. Efficiency	98.0%	98.0%	98.0%	98.0%
Europe Efficiency	>97.5%	>97.5%	>97.5%	>97.5%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%
Protection				
Anti-islanding Protection	Integrated		Integrated	
Input Reverse Polarity Protection	Integrated		Integrated	
Insulation Resistor Detection	Integrated		Integrated	
DC SPD	Type III		Type III	
AC SPD	Type III		Type III	
Residual Current Monitoring Unit	Integrated		Integrated	
Output Over Current Protection	Integrated		Integrated	
Output Short Protection	Integrated		Integrated	
Output Over Voltage Protection	Integrated		Integrated	
General Data				
Operating Temperature Range (°C)	-25~60	-25~60	-25~60	-25~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000
Cooling	Convection	Convection Natural Convection	Convection	Convection
Noise (dB)	<30	<30	<30	<30
User Interface	LCD & LED	LCD & LED	LCD & LED	LCD & LED
Communication	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi
Weight (kg)	24	24	24	24
Size (Width*Height*Depth mm)	516*415*192	516*415*192	516*415*192	516*415*192
Protection Degree	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1
Topology	Transformerless	Transformerless	Transformerless	Transformerless
Certifications & Standards				
Grid Regulation	AS4777.2		VDE0126-1-1, AS4777.2,	
	VDE0126-1-1, VDE-AR-N 4105,		G83, IEC61727, IEC62116,	
	EN50438		EN50438(SW), EN50438(IR)	
Safety Regulation	IEC62109-1&2			
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4			



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