SDT Series

Dual MPPT, Three Phase



Technical Data	GW5000L-DT	GW6000L-DT	GW10KL-DT	GW15KN-DT	GW20K-DT
PV String Input Data					
Max. DC Input Power (Wp)	6650	7980	13300	20000	26600
Max. DC Input Voltage (V)	600	600	600	1000	1000
MPPT Range (V)	200~550	200~550	200~550	200~850	200~850
Start-up Voltage (V)	180	180	180	180	250
Min. Feed-in Voltage(V)	210	210	210	210	280
Nominal DC Input Voltage (V)	480	480	480	620	620
Max. Input Current (A)	11/11	11/11	22/11	22/11	22/22
Max. Short Current (A)	13.8/13.8	13.8/13.8	27.6/13.8	27.6/13.8	27.5/27.5
No. of MPP Trackers	2	2	2	2	2
No. of Input Strings Per MPP Tracker	1/1	1/1	1/2	2/1	2
AC Output Data					
Nominal Output Power (W)	5000	6000	10000	15000	20000
Max. Output Apparent Power (VA)	5000	6000	10000	16500	20000
Nominal Output Voltage (V)	400, 3L/N/PE	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	50/60
Max. Output Current (A)	8.5	10	15.2	24	30
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)				
Output THDi (@Nominal Output)	<2%	<2%	<2%	<2%	<1.5%
Efficiency					
Max. Efficiency	98.0%	98.0%	98.3%	98.3%	98.4%
European Efficiency	>97.5%	>97.5%	>98.0%	>98.0%	>98.1%
Protection					
PV String current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
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
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
DC SPD Protection	Integrated (Type III)				
AC SPD Protection	Integrated (Type III)				
General Data					
Operating Temperature Range (°C)	-25~60	-25~60	-25~60	-25~60	-25~60
Relative Humidity	0~100%	0~100%	0~100%	0~100%	0~100%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling	Natural Cooling	Natural Convection	Natural Cooling	Natural Cooling	Fan Cooling
Noise (dB)	<30	<30	<30	<40	<45
User Interface	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED
Communication	RS485 or WiFi or LAN	RS485 or WiFi or LAN	RS485 or WiFi	RS485 or WiFi	RS485 or WiFi
Weight (kg)	24	24	26	26	39
Size (Width*Height*Depth mm)	516*415*192	516*415*192	516*455*192	516*415*192	516*650*203
Protection Degree	IP65	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1	<1
Topology	Transformerless				

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