SDT Series

Dual MPPT, Three Phase



Technical Data	GW15KN-DT
PV String Input Data	
Max. DC Input Power (Wp)	20000
Max. DC Input Voltage (V)	1000
MPPT Range (V)	200~850
Start-up Voltage (V)	180
Min. Feed-in Voltage(V)	210
Nominal DC Input Voltage (V)	620
Max. Input Current (A)	22/11
Max. Short Current (A)	27.6/13.8
No. of MPP Trackers	2
No. of Input Strings Per MPP Tracker	2/1
AC Output Data	
Nominal Output Power (W)	15000
Max. Output Apparent Power (VA)	16500
Nominal Output Voltage (V)	400, 3L/N/PE
Nominal Output Frequency (Hz)	50/60
Max. Output Current (A)	24
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)
Output THDi (@Nominal Output)	<2%
Efficiency	
Max. Efficiency	98.3%
European Efficiency	>98.0%
Protection	
PV String current Monitoring	Integrated
Anti-Islanding Protection	Integrated
Input Reverse Polarity Protection	Integrated
Insulation Resistor Detection	Integrated
Residual Current Monitoring Unit	Integrated
Output Over Current Protection	Integrated
Output Short Protection	Integrated
Output Over Voltage Protection	Integrated
DC SPD Protection	Integrated (Type III)
AC SPD Protection	Integrated (Type III)
General Data	
Operating Temperature Range (°C)	-25~60
Relative Humidity	0~100%
Operating Altitude (m)	≤4000
Cooling	Natural Cooling
Noise (dB)	<40
User Interface	LCD & LED
Communication	RS485 or WiFi
Weight (kg)	26
Size (Width*Height*Depth mm)	516*415*192
Protection Degree	IP65
Night Self Consumption (W)	<1
Topology	Transformerless

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