

MODEL	GT 1500	GT 2000	GT 3000	GT 4000		
INPUT DATA	Max. input power (W)	1875	2500	3750	5000	
	Nominal input power (W)	1575	2160	3159	4230	
	Max. input voltage (VDC)	450				
	Nominal DC voltage (V)	360 ~ 400				
	Working voltage range (V)	100 ± 5% ~ 450 - 5% + 0%				
	MPPT voltage range (V)	150 ~ 450 ± 5%				
	System start-up voltage (V)	100 ± 5%				
	Initial feeding voltage (V)	150 ± 5%				
	Full rating working voltage (V)	250 to 450				
	Max. input current (ADC)	7.5	10	15	20	
	Shutdown voltage (V)	80 typical				
	DC voltage ripple	< 10%				
	DC insulation resistance (ohm)	> 8M				
	GFDI switch	On/Off 20A				
DC terminal	Terminal block					
OUTPUT DATA	Nominal output power (W)	1500	2000	3000 ⁷	4000	
	Max. continuous output power (20°C) (W)	~1650	~2200	~3300 ⁸	~4400	
	Operational voltage range ¹ (V)	183 ~ 228 @ 208Vac 211 ~ 264 @ 240Vac				
	Operational normal voltage (Vac)	208/240 (ETL/CSA)				
	Operational frequency range (Hz)	59.3 ~ 60.5 for 50Hz ² 59.5 ~ 60.5 for 60Hz ³				
	Nominal output frequency (Hz)	60				
	Max. input short circuit current (A)	< 30				
	Max. input source back feed current to input source (A)	0				
	Max. output over current protection (A)	< 14.0	< 18.8	< 28.1	< 37.5	
	Synchronization in rush current (A)	208 Vac	10.6	14.1	21.2	28.3
		240 Vac	9.3	12.2	18.4	24.6
	Nominal output current (A)	208 Vac	7.2	9.6	14.4	19.2
		240 Vac	6.3	8.3	12.5	16.7
	O/P current distortion ⁴	THD < 5%, each harmonics < 3%				
	Power factor	> 0.99%				
	Accuracy	≤ 2%				
	Utility interconnection voltage and frequency	< 0.16				
	Trip limit and trip time (sec)					
DC current injection	< 0.5% of rated inverter output current					
Internal power consumption (W)	< 7					
Standby power (at night) (W)	< 0.1					
Minimum conversion efficiency (DC/AC)	> 90% Under input voltage > 210V, load > 20%					
Maximum conversion efficiency (DC/AC) ⁵	> 95%	> 95.5%	> 96%	> 96%		
CEC efficiency ⁶	> 94.5%	> 95%	> 95.5%	> 95.5%		
GFDI threshold	See ground fault current detection					
Max. output fault current and duration	< 100A Duration time < 80 m sec					
Ground current detection frequency (Hz)	0 ~ 700					
Protection degree	NEMA 3R (rain proof)					
Operation temperature	-25°C to 45°C		-25°C to 45°C -25°C to 40°C full rating output About 40°C output de-rating			
Storage temperature	-25°C ~ 70°C					
Humidity	0 to 95%, non-condensing					
Heat dissipation	Convection					
Acoustic noise level	< 40dB, A-weighted, frequency up to 20kHz					
Altitude	Up to 3000m without power de-rating, 5°C de-rated for each additional 500m					
DIMENSION AND WEIGHT	Physical: W*D*H (mm)	352*450*133	352*450*133	352*450*143	550*450*143	
	Physical: Weight (kg)	15	15	16	22	
	Shipping: W*D*H (mm)	470*580*290	470*580*290	470*580*290	670*580*290	
	Shipping: Weight (kg)	17	17	18	24	
CERTIFICATIONS	Approvals		ETL/CSA			

OPTI-Solar GT Series

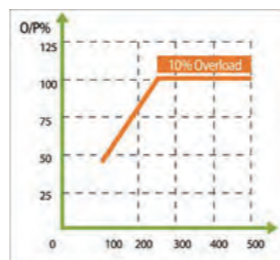
Solid and Reliable

ON-GRID Inverter - GT 1500/ 2000/ 3000/ 4000



Explanation

1. VDE0126-1-1, it is -20%/ +15%
2. Based on the limit of VDE0126-1-1
3. Based on limit of IEEE1547
4. Under utility voltage THD<3%, reference IEEE1547, EN61000-3-2
5. Under input voltage≥400V, full rated output power, 25°C ambient
6. According to VDE0126-1-1 requirement
7. Based on the output voltage is higher than 200Vac
8. Based on the output voltage is higher than 220Vac



OPTI-Solar GT Series

OPTI-Solar On-Grid inverter offers maximum yield of solar energy. Going green with excellent return on investment makes GT Series the reliable choice. Equipped with the latest technologies, GT Series is equally suitable for residential and commercial use. Rigid design allows enhanced performance even in harsh conditions.



NEMA 3R

Weatherproof strong casing with fan-less design makes most of the indoor and outdoor places suitable for installation, and also prevents any dirt, bugs, and insects entering the system.

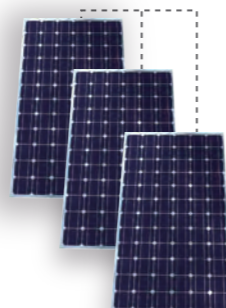


10 Year Warranty

Up to 10 years extendable warranty program available in Europe & North America.

3 Strings

Three strings input for GT4000 ensures flexibility while the DC switch and cable lock allows for safe and easy installation.



- 1 AC Breaker
- 2 GFDI Switch
- 3 AC Output
- 4 DC Input



Software



Monitoring of your daily power production has never been easier. Built-in multiple ports and optional wireless device make it possible to remotely watch and retrieve the data at any time.

Expandable

Parallel connectivity enables to expand the output power capacity at any stage in future. Therefore there is no need to replace the existing system.



Single Touch Operation

LCD display with single touch operation design for checking the inverter status quickly at any time, and anywhere.



Light Weight

Transformer-less design makes the unit very light, energy efficient, and easily installed.

