

OPTI-Solar GT Series

GRID-TIED Inverter - GT 1500/ 2000/ 3000/ 4000/ 6000

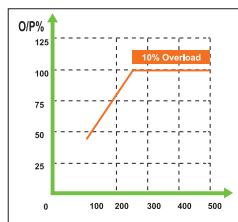
MODEL	GT 1500	GT 2000	GT 3000	GT 4000	GT 6000	
INPUT DATA (DC)	Max. input power (W)	1750	2340	3510	4700	6500
	PV open voltage (V)	500			600	
	Nominal voltage	360 ~ 400				
	Working voltage (V)	100 ± 5% ~ 500-5%+0%			100 ± 5% ~ 600-5%+0%V	
	MPPT voltage range	150 ~ 500±5%			150V ~ 600V ±5%	
	System start-up voltage (V)	100 ± 5%				
	Initial feeding voltage (V)	150 ± 5%				
	Full rating voltage range (V)	200 to 500			250 to 500	250 to 600
	Max. input current (ADC)	7.5 / 10	10	15/20	20	25 / 30
	Shutdown voltage (V)	80 typical				
	DC voltage ripple	< 10%				
	DC insulation resistance (ohm)	> 8M				
	DC switch	On / Off 20A			On/Off 30A	
	DC connector	Tyco (1 pair)		Tyco (3 pairs)		
OUTPUT DATA (AC)	Nominal output power (W)	1500	2000	3000 ⁷	4000	6000
	Max. output power (W)	1650	2200	3300 ⁸	4400	6000
	Operational voltage range ¹ (V)	198 minimum/256maximum				
	Operational normal voltage (Vac)	230 (VDE/GS, DK5940)				
	Operational frequency range (Hz)	50/60, auto selection 47.5< f ₅₀ < 50.2 for 50Hz ² /59.3< f ₆₀ < 60.5 for 60Hz ³				
	Nominal output current (A)	6,6	8,7	13,0	17,4	26,1
	O/P current distortion ⁴	THD < 5%, each harmonics < 3%				
	Power factor	> 0.99%				
	DC current injection	< 0.5% of rated inverter output current				
	Internal power consumption (W)	< 7			< 10	
	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	> 94%	> 95%	> 95%	> 96%	
	European efficiency	> 93%	> 94%	> 94%	> 95%	
	GFCI threshold ⁶	See ground fault current detection				
	Ground current detection range (mA)	0 ~ 500				
	Ground current detection frequency (Hz)	0 ~ 700				
	Protection degree	IP 65				
	Operation temperature	-20°C to 55°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 derating, 5°C de-rated for each additional 500m					
Physical: W*D*H (mm)	352*300*133			550*300*133	550*420*143	
Physical: Weight (kg)	14			21	27	
Shipping: W*D*H (mm)	460*460*265			660*460*265	660*580*265	
Shipping: Weight (kg)	16			23	31	
CERTIFICATIONS Approvals	Check www.OPTI-SOLAR.com for certifications					

Specifications are subject to change without notices.



Explanation

1. VDE0126-1-1, it is -20%/ +15%
2. Based on the limit of VDE0126-1-1
3. Based on limit of IEEEE1547
4. Under utility voltage THD<3%, reference IEEEE1547, 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



Agent / Partner / Distributor

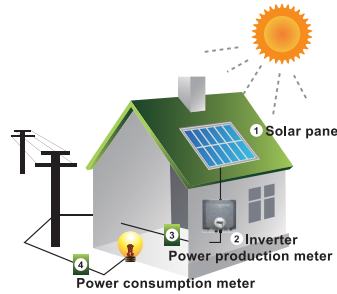


ENEL DK 5940 Ed. 2.2

Global Version (English)

OPTI-Solar GT Series

OPTI-Solar Grid-Tied Inverter Series offers user-friendly and cost effective solar solutions. The durable design endures harsh environments, and the wide range of accessories allows for easy monitoring in any weather. In addition to the solid design, OPTI-Solar provides a six year warranty to guarantee the best after-sale services for all of our customers. Flexible design based on any requirements makes Grid-Tied Inverter Series the reliable choice which ensures the best energy harvest.



- 1 AC output
- 2 SNMP & RS485 (Optional)
- 3 USB
- 4 RS232
- 5 Solar panel input (DC)
- 6 Input DC switch



6 Year Warranty

6 year warranty for worldwide region, extendable warranty program is available in Europe & North America.

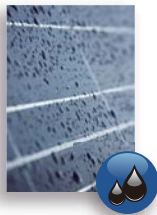


Simple Control

LED display with user-friendly single touch design makes programming and operating effortless.

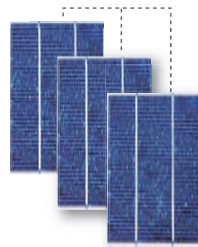
IP65

With strong waterproof casing and fan-less design, our inverters can be installed indoors and outdoors, even viable in wet or dusty environments.



3 Strings

Three strings input for GT4000/6000 ensures flexibility while the DC switch and cable lock allows for safe and easy installation.



OPTI-Solar Achievement

OPTI-Solar is into the field of power plant construction. Working in the field of photovoltaic, we believe our comprehensive know-how and experience in the field of power plant construction can be of great support to all our customers. Our consistent focus on solar modules, inverters and solar technology, from turnkey power plants to modules for residential, commercial, and industrial use, has made OPTI-Solar one of the most innovative and dynamic companies in solar field.

OPTI-Solar has gained valuable experience in the design, engineering, and construction of many large-scale projects executed in USA, Europe, Asia, Australia, Africa, and the Middle East. Our customers profit directly from our knowledge and expertise when they use our extremely reliable, innovative, and highly efficient products. We promise to deliver excellent service from your initial inquiry to the finished project and even long afterwards. OPTI-Solar provides complete package right from planning to completion of each project. OPTI-Solar is your one stop solution provider for all solar energy needs.

Quality Assurance

OPTI-Solar is committed to ensure maximum customer satisfaction through maximum product performance. We try to push the quality bar a bit higher every day by investing in new technologies so that our customers can get the best quality products at most affordable prices.

OPTI-Solar believes in 4 Q Policy which is

Quality Design - We listen to our customer's needs very carefully. We then invest a lot of our resources to convert customer needs into designing our quality product. Smallest of customer demands are met during designing our products.

Quality Manufacturing - This is done by adhering to our stringent technical specifications for maintenance of quality over production line by conducting rigorous inspection namely auto error detection and extensive tests.

Quality Product - We are proud to declare that we are one of the most reputable solar product manufacturers by implementation of latest technologies in manufacturing and testing facilities.

Quality Service - For OPTI-Solar, long lasting relationships with customers is the top most priority which we believe can be achieved by giving impeccable after sales service for our products to our customers.



Software

All OPTI-Solar inverters can be combined with a wide range of accessories for plant monitoring, with the built-in multiple plug-in connectors and optional wireless devices, the newly developed communication kit enables you to control the functionality of your photovoltaic system and make continuous documentation.

Flexible Expanding

Parallel connectivity design enables the output power capacity to expand flexibly at any stage in future. Without the need to replace the existing system, expanding your system can now be easier and faster.



Light Weight

New transformer-less design makes the unit light in weight and easily installed in a more cost-effective range.

