

BENEFITS

Maximum efficiency over **97.8%**

MPPT efficiency over **99.5%**



CONSULTATION

Solar Technology will provide full technical assistance when designing your system.

ON SITE SUPPORT (optional)

Solar Technology engineers will provide technical field support.

GUARANTEE

Solar Technology provides a standard 5 year warranty and 10 year option (5 year extension).

JUST IN TIME

Huge stocks in the UK for 24hr delivery.



Industry Leading Efficiency Awards

GROWATT INVERTER

1500/2000/3000/4400/5000

LEADING EDGE TECHNOLOGY

- Leading edge efficiency of 97.8%
- Very versatile with wide input voltage range
- All weather IP65 design
- Back lit LCD multi function data panel
- Transformerless for low noise and light weight
- Compact design
- G83/1 Certified
- Easy installation
- Comprehensive Solar Technology 5 year warranty with 5 year extension option

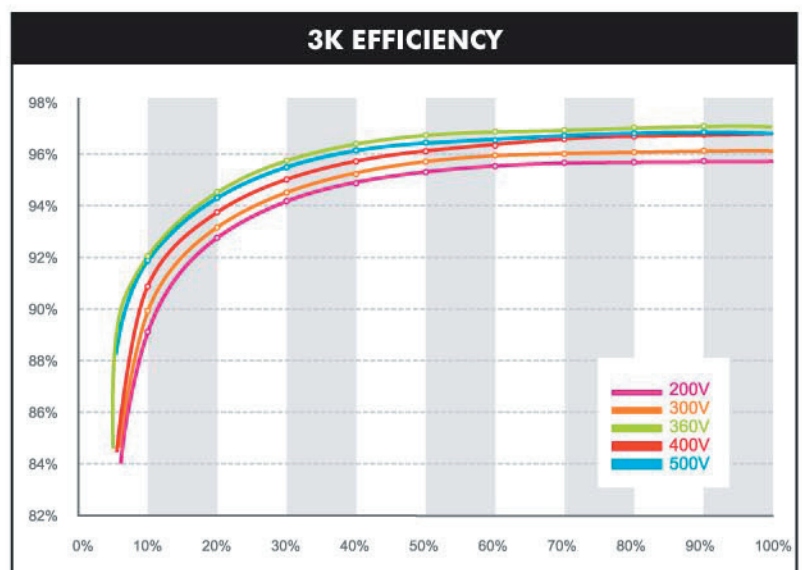
1500TL - use with an array up to 1700wp

2000TL - use with an array up to 2300wp

3000TL - use with an array up to 3150wp

4400TL - use with an array up to 4600wp

5000TL - use with an array up to 5200wp



	Growatt 1500TL	Growatt 2000TL	Growatt 3000TL	Growatt 4400TL	Growatt 5000TL
Input data					
Max. DC power	1700W	2300W	3150W	4600W	5200W
Max. DC voltage	450V	500V	500V	580V	580V
PV voltage range MPPT	120V - 450V	120V - 450V	120V - 450V	120V - 500V	120V - 500V
Full load Mpp-Voltage range	230V - 450V	210V - 450V	250V - 450V	280V - 500V	280V - 500V
Max. number of parallel strings	1	2	2	3	3
Number of MPP trackers	1	1	1	1	1
MPPT input current	0-10A	0-12A	0-15A	0-20A	0-20A
Max DC input Isc current	15A	15A	20A	27A	27A
Output (AC)					
Nominal AC output	1650W	2000W	2850W	4200W	4600W
Max. AC power	1650W	2200W	3000W	4400W	5000W
Max. output current	8A	11 A	13A	21A	23A
Nominal AC voltage range	220V - 240V / 180V - 280V	220V - 240V / 180V - 280V	220V - 240V / 180V - 280V	220V - 240V / 180V - 280V	220V - 240V / 180V - 280V
AC grid frequency range	50Hz, 60Hz±5Hz	50Hz, 60Hz±5Hz	50Hz, 60Hz±5Hz	50Hz, 60Hz±5Hz	50Hz, 60Hz±5Hz
Phase shift (cos φ)	1	1	1	1	1
THDI	< 3%	< 3%	<3%	< 3%	< 3%
AC connection	Single phase	Single phase	Single phase	Single phase	Single phase
Efficiency					
Max. efficiency	97%	97%	97%	97.8%	97.8%
Euro - eta	96%	96%	96%	97.4%	97.4%
MPPT efficiency	99.5%	99.5%	99.5%	99.5%	99.5%
Protection devices					
DC reverse polarity protection	yes	yes	yes	yes	yes
AC short - circuit protection	yes	yes	yes	yes	yes
Ground fault monitoring	yes	yes	yes	yes	yes
Grid monitoring	yes	yes	yes	yes	yes
Integrated all - pole sensitive leakage current monitoring unit	yes	yes	yes	yes	yes
General data					
Dimensions (W / D / H) in mm	362/329/132	362/329/132	362/329/132	406/406/192	406/406/192
Weight	11.5KG	11.7KG	12.2KG	21KG	21KG
Operating temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Continuous full output power temperature range	-25 °C ... +50 °C	-25 °C ... +50 °C	-25 °C ... +50 °C	-25 °C ... +50 °C	-25 °C ... +50 °C
Noise emission (typical)	≤25 dB (A)	≤25 dB (A)	≤25 dB (A)	≤25 dB (A)	≤25 dB (A)
Consumption: operating (standby)/night	< 5W / < 0.5 W	< 5W / < 0.5 W	< 5W / < 0.5 W	< 5W / < 0.5 W	8W / < 0.5 W
Topology	transformerless	transformerless	transformerless	transformerless	transformerless
Cooling concept	No fan	No fan	No fan	No fan	No fan
Installation: Indoors / Outdoors (IP65 electronics)	yes / yes	yes / yes	yes / yes	yes / yes	yes / yes
Features					
DC connection: (MC4)	yes	yes	yes	yes	yes
AC connection: Terminals	yes	yes	yes	yes	yes
LCD display	yes	yes	yes	yes	yes
Interfaces: RS232	yes	yes	yes	yes	yes
Warranty: 5 years / 10 years	yes / optional	yes / optional	yes / optional	yes / optional	yes / optional
Certificates and approvals					
	CE / TUV EN50178, VDE0126-1-1, EN6100-3-2 EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4 IEC-62109, Dk5940, G83, RD1663				