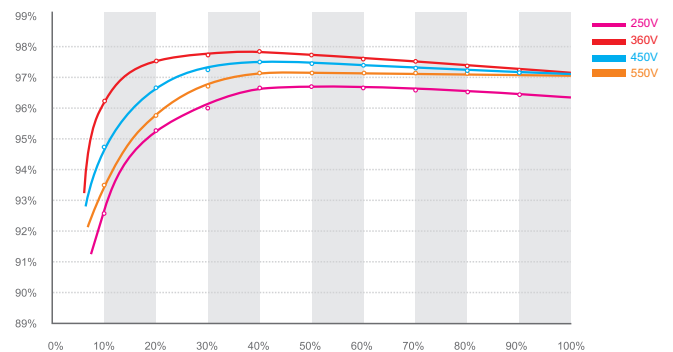




### Leading - edge Technology

- ▶ Maximum efficiency of 97.8% and wide input voltage range
- ▶ Transformerless GT topology
- ▶ Compact design
- ▶ MTL - String
- ▶ Bluetooth / RF technology / Wi-Fi
- ▶ Sound control
- ▶ Easy installation
- ▶ Comprehensive Growatt warranty program

5k efficiency



### GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

A: Building B, Jiayu Industrial Zone, #28 Guanghui Road, Longteng Community, Shiyan, Baoan District, Shenzhen, P.R.China.

T: + 86 755 2747 1900 F: + 86 755 2749 1460 E: info@ginverter.com

# Datasheet

	Sungold 1500TL	Sungold 2000TL	Sungold 3000TL	Sungold 4600TL	Sungold 5000TL
<b>Input Data</b>					
Max. DC power	1800W	2300W	3200W	4800W	5200W
Max. DC voltage	450V	500V	500V	580V	580V
Start voltage	150V	150V	150V	150V	150V
PV voltage range	100V - 450V	100V - 500V	100V - 500V	100V - 580V	100V - 580V
MPPT work voltage range / nominal voltage	120V-450V/ 360V	120V-500V/ 360V	120V-500V/ 360V	120V-580V/ 360V	120V-580V/ 360V
Full load dc voltage range	175V - 450V	195V - 450V	250V - 450V	250V - 500V	250V - 500V
Number of MPP trackers /strings per MPP tracker	1 / 1	1 / 2	1 / 2	1 / 3	1 / 3
Max. input current /per string	10A/10A	12A/12A	15A/15A	20A/20A	21A/21A
<b>Output (AC)</b>					
Rated AC output power	1650W	2000W	2850W	4600W	5000W
Max. AC power	1650W	2200W	3000W	4600W	5000W
Max. output current	8A	11A	15A	23A	25A
AC nominal voltage; range	230V; 207Vac~263Vac	230V; 207Vac~263Vac	230V; 207Vac~263Vac	230V; 207Vac~263Vac	230V; 207Vac~263Vac
AC grid frequency ;range	50Hz, 60Hz;±5Hz	50Hz, 60Hz;±5Hz	50Hz, 60Hz;±5Hz	50Hz, 60Hz;±5Hz	50Hz, 60Hz;±5Hz
Power factor	1	1	1	1	1
THDI	<3%	<3%	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase	Single phase	Single phase
<b>Efficiency</b>					
Max. efficiency	97%	97.3%	97.3%	97.8%	97.8%
Euro-eta	96.5%	96.5%	96.5%	97.4%	97.4%
MPPT efficiency	99.5%	99.5%	99.5%	99.5%	99.5%
<b>Protection Devices</b>					
DC reverse polarity protection	yes	yes	yes	yes	yes
DC switch rating for each MPPT	yes	yes	yes	yes	yes
Output over current protection	yes	yes	yes	yes	yes
Output overvoltage protection-varistor	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
<b>General Data</b>					
Dimensions (W / H / D) in mm	360/329/132	360/329/132	360/329/132	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
Noise emission (typical)	≤25 dB(A)	≤25 dB(A)	≤25 dB(A)	≤25 dB(A)	≤25 dB(A)
Self-Consumption night	< 0.5 W	< 0.5 W	< 0.5 W	< 0.5 W	< 0.5 W
Topology	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless
Cooling concept	Natural	Natural	Natural	Natural	Natural
Environmental Protection Rating	IP 65	IP 65	IP 65	IP 65	IP 65
Altitude	2000m without derating	2000m without derating	2000m without derating	2000m without derating	2000m without derating
Relative Humidity	0~95%	0~95%	0~95%	0~95%	0~95%
<b>Features</b>					
DC connection	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)
AC connection	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Display	LCD	LCD	LCD	LCD	LCD
Interfaces: RS232/RS485/Bluetooth/RF/Wi-Fi	yes / yes / opt / opt / opt	yes / yes / opt / opt / opt	yes / yes / opt / opt / opt	yes / yes / opt / opt / opt	yes / yes / opt / opt / opt
Warranty: 5 years / 10 years	yes / opt	yes / opt	yes / opt	yes / opt	yes / opt
<b>Certificates and Approvals</b>					