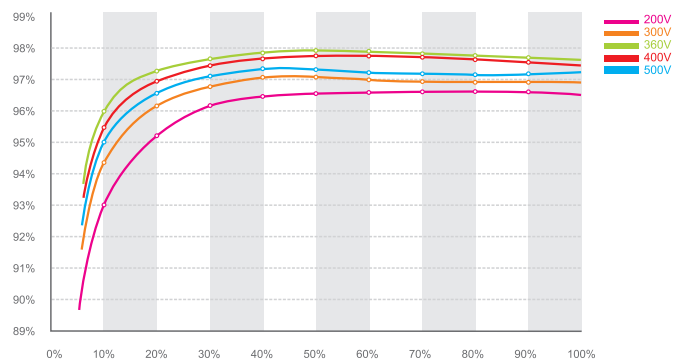




### Leading - edge Technology

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

5k efficiency



### GROWATT NEW ENERGY CO., LTD

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	Sungold 1500TL	Sungold 2000TL	Sungold 3000TL	Sungold 5000TL
<b>Input Data</b>				
Max. DC power	1800W	2300W	3150W	5000W
Max. DC voltage	450V	500V	500V	580V
Full load Mpp-Voltage range	175V - 450V	195V - 450V	250V - 450V	250V - 500V
PV voltage range MPPT	120V - 450V	120V - 450V	120V - 450V	120V - 500V
Max. number of parallel strings	1	2	2	3
Number of MPP trackers	1	1	1	1
Max. input current	10A	12A	15A	20A
<b>Output (AC)</b>				
Nominal AC output power	1650W	2000W	2850W	4600W
Max. AC power	1650W	2200W	3000W	4600W
Max. output current	8A	11A	15A	22.3A
Nominal AC voltage range	207Vac - 263Vac	207Vac - 263Vac	207Vac - 263Vac	207Vac - 263Vac
AC grid frequency range	46Hz - 54Hz	46Hz - 54Hz	46Hz - 54Hz	46Hz - 54Hz
Phase shift	1	1	1	1
THDI	<3%	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase	Single phase
<b>Efficiency</b>				
Max. efficiency	97%	97%	97%	97.8%
Euro-eta	96%	96%	96.5%	97.4%
MPPT efficiency	99.5%	99.5%	99.5%	99.5%
<b>Protection Devices</b>				
DC reverse polarity protection	yes	yes	yes	yes
AC short-circuit protection	yes	yes	yes	yes
Ground fault monitoring	yes	yes	yes	yes
Grid monitoring	yes	yes	yes	yes
Integrated all-pole sensitive leakage current monitoring unit	yes	yes	yes	yes
<b>General Data</b>				
Dimensions (W / H / D) in mm	362/329/132	362/329/132	362/329/132	406/406/192
Weight	11.5KG	11.7KG	12.2KG	21KG
Operating temperature range	-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)
Consumption: operating (standby)/ night	< 5W / < 0.5 W	< 5W / < 0.5 W	< 5W / < 0.5 W	< 5W / < 0.5 W
Topology	transformerless	transformerless	transformerless	transformerless
Cooling concept	No fan	No fan	No fan	No fan
Installation: Indoors / Outdoors (IP65 )	yes / yes	yes / yes	yes / yes	yes / yes
Altitude	Up to 2000m without power derating	Up to 2000m without power derating	Up to 2000m without power derating	Up to 2000m without power derating
Humidity	0 - 95%, no condensation	0 - 95%, no condensation	0 - 95%, no condensation	0 - 95%, no condensation
<b>Features</b>				
DC connection:(MC3/MC4/H4)	opt /opt / yes	opt / opt / yes	opt / opt / yes	opt / opt / yes
AC connection: Terminals	yes	yes	yes	yes
LCD display	yes	yes	yes	yes
Interfaces: Bluetooth/RS485/RS232	opt / yes / yes	opt / yes / yes	opt / yes / yes	opt / yes / yes
Warranty: 5 years / 10 years	yes / opt	yes / opt	yes / opt	yes / opt
<b>Certificates and Approvals</b>				