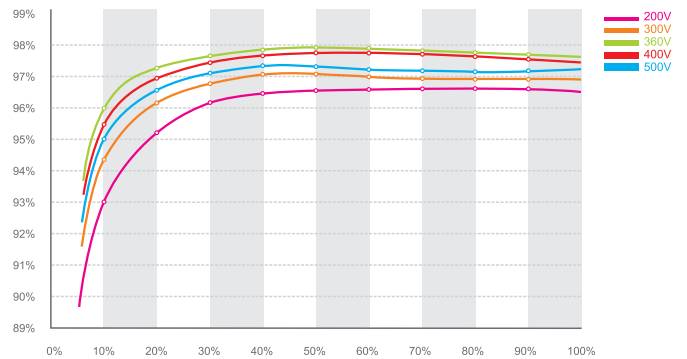




Leading - edge Technology

- ▶ 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
Input Data				
Max. DC power	1800W	2300W	3150W	5000W
Max. DC voltage	450V	500V	500V	580V
Full load Mpp-Voltage range	175V - 430V	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
Output (AC)				
Nominal AC output power	1650W	2000W	2850W	4600W
Max. AC power	1650W	2200W	3000W	4600W
Max. output current	8A	9.7A	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
Efficiency				
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%
Protection Devices				
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
General Data				
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
Features				
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
Certificates and Approvals				