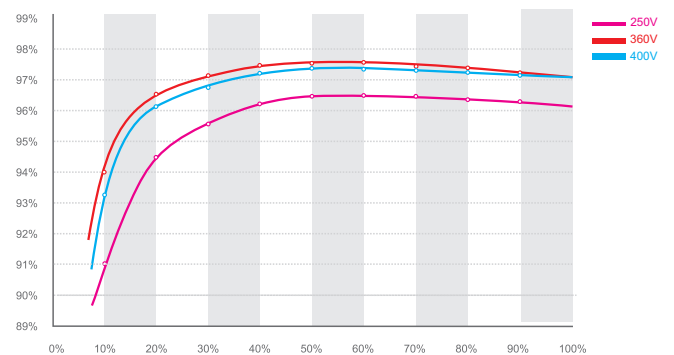




Leading - edge Technology

- ▶ Maximum efficiency of 97.5% and wide input voltage range
- ▶ Internal DC switch
- ▶ Transformerless GT topology
- ▶ Compact design
- ▶ MTL - String
- ▶ Bluetooth / RF technology / Wi-Fi
- ▶ Sound control
- ▶ Easy installation

3k efficiency



GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

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Datasheet

	Growatt 1500 - US	Growatt 2000 - US	Growatt 3000 - US
Input Data			
Max. DC power	1800W	2300W	3200W
Max. DC voltage	450V	500V	500V
Start voltage	150V	150V	150V
DC nominal voltage	360V	360V	360V
PV voltage range	100V - 450V	100V - 500V	100V - 500V
MPP voltage range	120V - 400V	120V - 450V	120V - 450V
Number of independent MPP trackers/strings per MPP tracker	1 / 1	1 / 2	1 / 2
Max. input current of the MPP tracker	12A	14A	17A
Output (AC)			
Rated AC output power	1500W@208Vac 1650W@240&277Vac	1800W@208Vac 2000W@240&277Vac	2500W@208Vac 2800W@240&277Vac
Max. output current	8A / 7.8A / 6.8A	9.7A / 9.4A / 8.2A	15A / 14.2A / 12.3A
AC nominal voltage; range	Default:240V single phase optional:208,240or277 single phase 183-228@208V 211-264V@240V 244-305@277V		
AC grid frequency; range	60Hz; 59.3-60.5Hz	60Hz; 59.3-60.5Hz	60Hz; 59.3-60.5Hz
Phase shift (cosφ)	1	1	1
THDI	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase
Efficiency			
Max. efficiency	97%	97%	97%
CEC efficiency	96%	96.5%	96.5%
MPPT efficiency	99.5%	99.5%	99.5%
Protection Devices			
DC reverse polarity protection	yes	yes	yes
DC switch rating for each MPPT	yes	yes	yes
Output over current protection	yes	yes	yes
Output overvoltage protection-varistor	yes	yes	yes
Ground fault monitoring	yes	yes	yes
Grid monitoring	yes	yes	yes
Integrated all-pole sensitive leakage current monitoring unit	yes	yes	yes
General Data			
Dimensions (W / H / D) in mm	360/465/165	360/465/165	360/465/165
Weight	14.6KG	15.1KG	15.9KG
Operating temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Noise emission (typical)	≤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
Topology	Transformerless	Transformerless	Transformerless
Cooling concept	Natural	Natural	Natural
Enclosure	Type 3R	Type 3R	Type 3R
Altitude	2000m without derating	2000m without derating	2000m without derating
Humidity	0~95%	0~95%	0~95%
Features			
DC connection	Screw terminal	Screw terminal	Screw terminal
AC connection	Screw terminal	Screw terminal	Screw terminal
Display	LCD	LCD	LCD
Interfaces: RS232/RS485/Bluetooth/Wi-Fi	yes / yes / opt / opt / opt	yes / yes / opt / opt / opt	yes / yes / opt / opt / opt
Warranty: 10 years / 15 years	yes / opt	yes / opt	yes / opt
Certificates and Approvals			