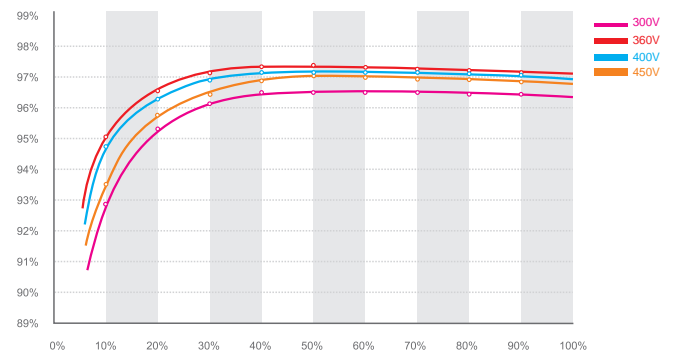




Leading - edge Technology

- ▶ Maximum efficiency of 97.3% and wide input voltage range
- ▶ Internal DC switch
- ▶ Transformerless GT topology
- ▶ Compact design
- ▶ MTL - String
- ▶ Ethernet / RF technology / Wi-Fi
- ▶ Sound control
- ▶ Easy installation
- ▶ Comprehensive Growatt warranty program

3k efficiency



GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

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| | Growatt 1000 | Growatt 1500 | Growatt 2000 | Growatt 3000 |
|--|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Input Data | | | | |
| Max. DC power | 1300W | 1800W | 2300W | 3200W |
| Max. DC voltage | 450V | 450V | 500V | 500V |
| Start voltage | 90V | 150V | 150V | 150V |
| PV voltage range | 70V - 450V | 100V - 450V | 100V - 500V | 100V - 500V |
| MPPT work voltage range/ nominal voltage | 70V-450V/180V | 120V-450V/360V | 120V-500V/360V | 120V-500V/360V |
| Full load dc voltage range | 110V - 400V | 175V - 450V | 195V-450V | 250V - 450V |
| Number of MPP trackers /strings per MPP tracker | 1 / 1 | 1 / 1 | 1 / 2 | 1 / 2 |
| Max. input current /per string | 10A/10A | 10A/10A | 12A/12A | 15A/15A |
| Output (AC) | | | | |
| Rated AC output power | 1000W | 1600W | 2000W | 2850W |
| Max. AC power | 1100W | 1650W | 2200W | 3000W |
| Max. output current | 5.5A | 8A | 11A | 15A |
| AC nominal voltage; range | 220V/230V/240V; 180Vac-280Vac | 220V/230V/240V; 180Vac-280Vac | 220V/230V/240V; 180Vac-280Vac | 220V/230V/240V; 180Vac-280Vac |
| AC grid frequency ;range | 50Hz, 60Hz; 5Hz | 50Hz, 60Hz; 5Hz | 50Hz, 60Hz;±5Hz | 50Hz, 60Hz;±5Hz |
| Power factor | 1 | 1 | 1 | 1 |
| THDI | <3% | <3% | <3% | <3% |
| AC connection | Single phase | Single phase | Single phase | Single phase |
| Efficiency | | | | |
| Max. efficiency | 97% | 97% | 97.3% | 97.3% |
| Euro-eta | 95.5% | 96.5% | 96.5% | 96.5% |
| MPPT efficiency | 99.5% | 99.5% | 99.5% | 99.5% |
| Protection Devices | | | | |
| DC reverse polarity protection | yes | yes | yes | yes |
| DC switch rating for each MPPT | yes | yes | yes | yes |
| Output over current protection | yes | yes | yes | yes |
| Output overvoltage protection-varistor | 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 | 360/329/132 | 360/329/132 | 360/329/132 | 360/329/132 |
| Weight | 11.5KG | 11.5KG | 11.7KG | 12.2KG |
| 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) |
| Self-Consumption night | < 0.5 W | < 0.5 W | < 0.5 W | < 0.5 W |
| Topology | Transformerless | Transformerless | Transformerless | Transformerless |
| Cooling concept | Natural | Natural | Natural | Natural |
| Environmental Protection Rating | IP 65 | IP 65 | IP 65 | IP 65 |
| Altitude | 2000m without derating | 2000m without derating | 2000m without derating | 2000m without derating |
| Relative Humidity | 0~95% | 0~95% | 0~95% | 0~95% |
| Features | | | | |
| DC connection | H4/MC4(opt) | H4/MC4(opt) | H4/MC4(opt) | H4/MC4(opt) |
| AC connection | Screw terminal | Screw terminal | Screw terminal | Screw terminal |
| Display | LCD | LCD | LCD | LCD |
| Interfaces: RS232/RS485/ Bluetooth/Wi-Fi | 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 |
| Certificates and Approvals | | | | |