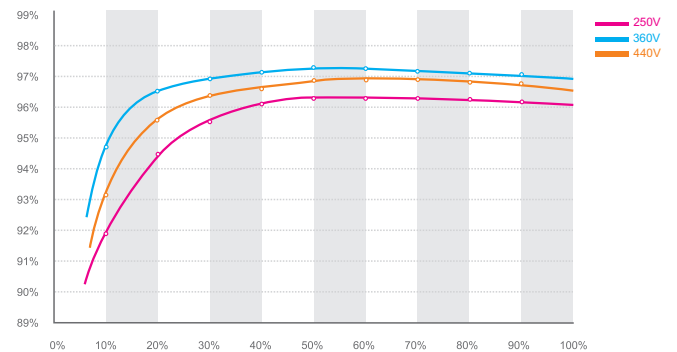




## Leading - edge Technology

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

3k efficiency



## GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

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|   | Growatt 2500 MTL               | Growatt 3000 MTL               |
|---|--------------------------------|--------------------------------|
| <b>Input Data</b>   |                                |                                |
| Max. DC power   | 2700W                          | 3200W                          |
| Max. DC voltage   | 500V                           | 500V                           |
| Start voltage   | 150V                           | 150V                           |
| PV voltage range  | 100V - 500V                    | 100V - 500V                    |
| MPPT work voltage range / nominal voltage                                     | 120V-500V/360V                 | 120V-500V/360V                 |
| Full load dc voltage range  | 190V - 500V                    | 190V - 500V                    |
| Number of independent MPP inputs / strings per MPP input                      | 2 / 1                          | 2 / 1                          |
| Max. input current of tracker A/tracker B                                     | 10A / 10A                      | 10A / 10A                      |
| Max. input current per string of tracker A/tracker B                          | 10A / 10A                      | 10A / 10A                      |
| <b>Output (AC)</b>  |                                |                                |
| Rated AC output power   | 2500W                          | 3000W                          |
| Max. AC power   | 2500W                          | 3000W                          |
| Max. output current   | 12.5A                          | 15A                            |
| AC nominal voltage; range   | 220V/230V/240V;<br>180V - 280V | 220V/230V/240V;<br>180V - 280V |
| AC grid frequency; range  | 50,60Hz;±5 Hz                  | 50,60Hz;±5 Hz                  |
| Power factor  | 1                              | 1                              |
| THDI  | <3%                            | <3%                            |
| AC connection   | Single phase                   | Single phase                   |
| <b>Efficiency</b>   |                                |                                |
| Max. efficiency   | 97.5%                          | 97.5%                          |
| Euro-eta  | 97%                            | 97.4%                          |
| MPPT efficiency   | 99.5%                          | 99.5%                          |
| <b>Protection Devices</b>   |                                |                                |
| DC reverse polarity protection  | yes                            | yes                            |
| DC switch rating for each MPPT  | yes                            | yes                            |
| Output over current protection  | yes                            | yes                            |
| Output overvoltage protection-varistor  | yes                            | yes                            |
| Ground fault monitoring   | yes                            | yes                            |
| Grid monitoring   | yes                            | yes                            |
| Integrated all-pole sensitive leakage current monitoring unit                 | yes                            | yes                            |
| <b>General Data</b>   |                                |                                |
| Dimensions (W / H / D) in mm  | 360/421/152                    | 360/421/152                    |
| Weight  | 15.6KG                         | 15.6KG                         |
| Operating temperature range   | -30 °C ... +60 °C              | -30 °C ... +60 °C              |
| Noise emission (typical)  | ≤25 dB(A)                      | ≤ 25 dB(A)                     |
| Self-Consumption night  | < 0.5 W                        | < 0.5 W                        |
| Topology  | Transformerless                | Transformerless                |
| Cooling concept   | Natural                        | Natural                        |
| Environmental Protection Rating   | IP 65                          | IP 65                          |
| Altitude  | 2000m without derating         | 2000m without derating         |
| Relative Humidity   | 0~95%                          | 0~95%                          |
| <b>Features</b>   |                                |                                |
| DC connection   | H4/MC4(opt)                    | H4/MC4(opt)                    |
| AC connection   | Screw terminal                 | Screw terminal                 |
| Display   | LCD                            | LCD                            |
| Interfaces: RS232/RS485/Bluetooth/RF/Wi-Fi                                    | yes / yes / opt / opt / opt    | yes / yes / opt / opt / opt    |
| Warranty: 5 years / 10 years  | yes / opt                      | yes / opt                      |
| <b>Certificates and Approvals</b>   |                                |                                |
| CE, VDE 0126-1-1, VDE-AR-N4105, G83, IEC-62109, CEI 0-21, As4777, AS/NZS 3100 |                                |                                |