

GROWATT is a vibrant solar company with the goal of delivering high-quality, competitively-priced solar devices to make green energy more affordable and accessible around the world. GROWATT develops, produces and sells superior solar inverters for grid-tied and off-grid photovoltaic applications.

As the most important component of photovoltaic systems, the inverter converts the direct current generated in photovoltaic cells into alternating current suitable for the grid, intelligently managing the PV system to monitor the solar array and grid. According to key measurement parameters of inverters, GROWATT inverters have conversion efficiencies up to 97.9%.

GROWATT is continuously driven by technology and innovation to keep pace with the trends of the photovoltaic industry. Our best-in-class inverters are sold around the globe.

GROWATT's reliable and proven technology is supported by general warranties ranging from 10-15 years. We provide advanced technical support and post-sales service wherever our products are deployed. GROWATT is the one to count on.



Specifications for:

Growatt 3600MTL-US

Growatt 4200MTL-US

Growatt 5000MTL-US

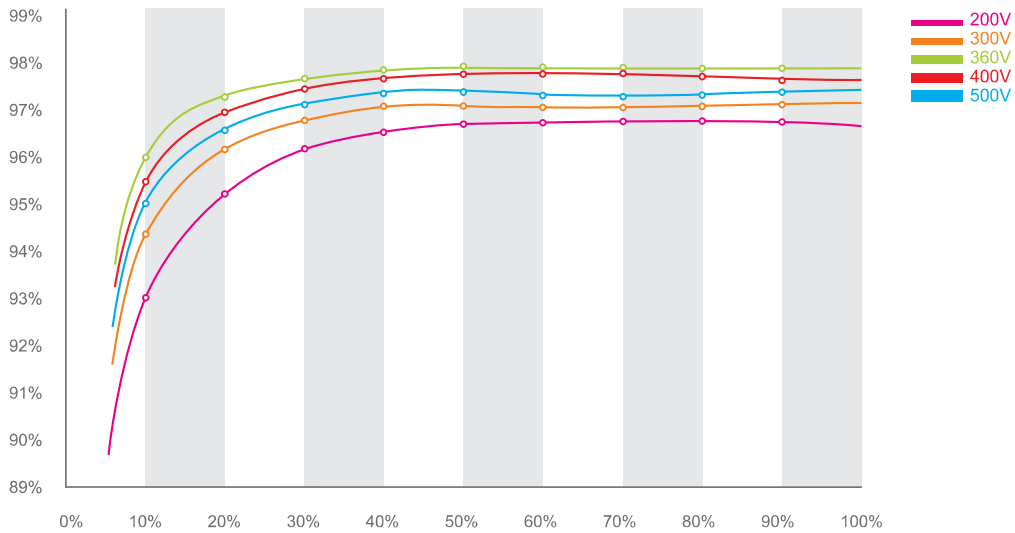


Leading Edge Technology

- ▶ Maximum Efficiency of 97.9% and Wide Input Voltage Range
- ▶ Internal DC Switch
- ▶ Transformerless GT Topology
- ▶ Compact Design
- ▶ Multi MPP Controller
- ▶ MTL - String
- ▶ Bluetooth Technology
- ▶ Sound Control
- ▶ Easy Installation



Efficiency



Growatt 3600MTL-US / 4200MTL-US / 5000MTL-US

DATA

	Growatt 3600MTL-US	Growatt 4200MTL-US	Growatt 5000MTL-US
Input Data			
Max. DC Power	3800W	4400W	5200W
Max. DC Voltage	600V	600V	600V
PV Voltage Range MPPT	120V - 550V	120V - 550V	120V - 550V
Full Load Voltage	250V-550V	250V-550V	250V-550V
Max. Number of Parallel Strings	2/2	2/2	2/2
Number of MPP Trackers	2 (Can Parallel)	2 (Can Parallel)	2 (Can Parallel)
Max. DC Power Each MPP Tracker	2000W	2500W	3000W
MPPT Input Current	10A / 10A	15A / 15A	15A / 15A
Max. Input Current	10A / 10A	15A / 15A	15A / 15A
Output (AC)			
Nominal AC Output Power	3600W	4200W	4600W / 5000W
Max. AC Power	3600W	4200W	4600W / 5000W
Nominal Output Current	15.6A	18.5A	20A
Max. Output Current	18A	21A	25A
AC Voltage Range	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
Phase Shift (cos φ)	1	1	1
THDI	<3%	<3%	<3%
AC Connection	Single Phase	Single Phase	Single Phase
Efficiency			
Max. Efficiency	97.6%	97.9%	97.9%
CEC Efficiency	97.0%	97.0%	97.0%
MPPT Efficiency	99.5%	99.5%	99.5%
Protection Devices			
DC Reverse Polarity Protection	Yes	Yes	Yes
AC Short-Circuit Protection	Yes	Yes	Yes
Ground Fault Monitoring	Yes	Yes	Yes
Grid Monitoring	Yes	Yes	Yes
Anti-Islanding Protection	Yes	Yes	Yes
General Data			
Dimensions (W / D / H) in mm	360 / 510 / 188	360 / 510 / 188	360 / 510 / 188
Weight	24KG	24KG	24KG
Operating Temperature Range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Continuous Full Output Temp. Range	-25 °C ... +50 °C	-25 °C ... +50 °C	-25 °C ... +50 °C
Noise Emission (Typical)	≤ 25 dB(A)	≤ 25 dB(A)	≤ 25 dB(A)
Altitude	Up to 2000m w/o Powder Derating	Up to 2000m w/o Powder Derating	Up to 2000m w/o Powder Derating
Consumption: Operating (Standby) / Night	<5W / <0.5W	<5W / <0.5W	<5W / <0.5W
Topology	Transformerless	Transformerless	Transformerless
Cooling Concept	No Fan	No Fan	No Fan
Installation: Indoors / Outdoors (IP65)	Yes / Yes	Yes / Yes	Yes / Yes
Humidity	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
AC Connection: Terminals	Yes	Yes	Yes
LCD Display	Yes	Yes	Yes
Interfaces: Bluetooth/RS485/RS232	Opt / Yes / Yes	Opt / Yes / Yes	Opt / Yes / Yes
Warranty: 10 Years / 15 Years	Yes / Opt	Yes / Opt	Yes / Opt
Certificates and Approvals			
VDE 0125-1-1, IEC 62109, RD 1663, G83, EN 61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, AS4777, SNZ AS NZS 3100			

* Optionally provides 5000W