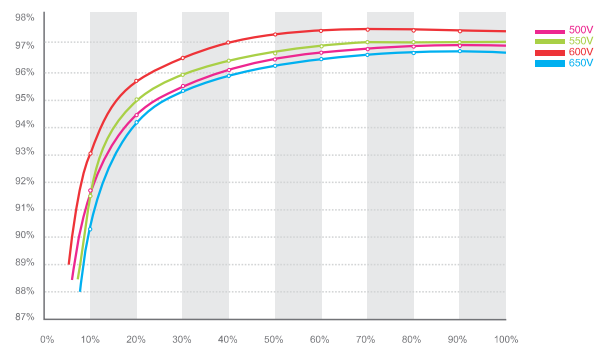




## Leading - edge Technology

- ▶ DC input voltage up to 800V
- ▶ Maximum efficiency of 97.5%
- ▶ Internal DC switch
- ▶ Transformerless
- ▶ Compact design
- ▶ Multi MPP controller
- ▶ Ethernet / RF technology / WiFi
- ▶ Sound control
- ▶ Easy installation
- ▶ Comprehensive Growatt warranty program

Growatt 6000UE efficiency



## GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

A: No.28 Guanghui Road, Longteng Community, Shiyan, Baoan District, Shenzhen, P.R.China.

T: + 86 755 2747 1900 F: + 86 755 2749 1460 E: info@ginverter.com

## Datasheet

### Input Data

Max. DC power  
Max DC voltage  
Start Voltage  
PV voltage range  
MPP voltage range / nominal voltage  
Full load DC voltage range  
Number of MPP trackers/strings per MPP tracker  
Max. input current/per string

## Growatt 5000UE

5200W  
800V  
150V  
140V - 800V  
200V - 800V / 580V  
300V - 750V  
2/1  
9A / 9A

### Output (AC)

Rated AC output power  
Max. AC apparent power  
Max. output current  
AC nominal voltage;  
range  
AC grid frequency;  
range  
Power factor at rated power  
Displacement power factor  
configurable  
THDi (@Full load & THDv<1%)  
AC connection

5000W  
5000VA  
7.9A  
230V/400V;  
184 - 275V  
50-60Hz;  
44-55Hz/54-65Hz  
1  
0.9 leading -0.9lagging  
<3%  
3/N/PE, 3W+PE(Opt)

### Efficiency

Max. efficiency  
Euro - eta  
MPPT efficiency

97.4%  
96.3%  
99.5%

### Protection Devices

DC reverse polarity protection  
DC switch for each MPPT  
Output AC overcurrent protection  
Output AC overvoltage  
protection - varistor  
Ground fault monitoring  
Grid monitoring

yes  
yes  
yes  
yes  
yes  
yes  
yes

Integrated all-pole sensitive  
leakage current monitoring unit

### General Data

Dimensions (W / H / D)  
Weight  
Operating temperature range  
Noise emission (typical)  
Self-Consumption (night)  
Topology  
Cooling concept  
Environmental Protection Rating  
Altitude  
Relative Humidity

433/566/195 mm  
31.1kg  
-25 °C ... +60 °C  
≤35 dB(A)  
< 0.5W  
Transformerless  
Natural  
IP 65  
2000m without derating  
0~100%

### Features

DC connection  
AC connection  
Display  
Interfaces: RS232/R485/  
Ethernet/RF/WiFi  
Warranty:5 years / 10 years

H4/MC4(opt)  
Screw terminal  
LCD  
yes / yes /  
opt / opt / opt  
yes / opt

### Certificates and Approvals

CE, VDE0126-1-1, VDE-AR-N4105, IEC 62109-1/-2, C-tick, AS/NZS 3100, AS4777, EN61000-6-2, EN61000-6-3, IEC61727, IEC62116, G83, EN50438