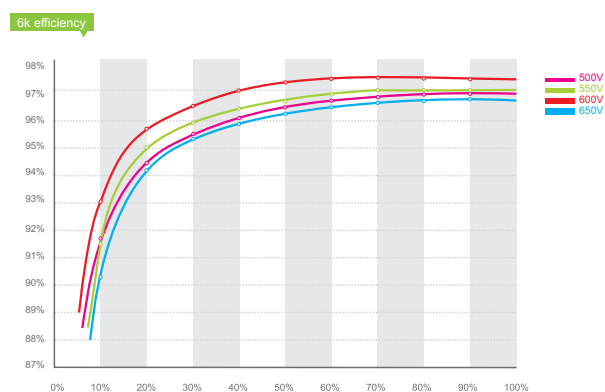




## Leading - edge Technology

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



## GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

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	Growatt 4000 UE	Growatt 5000 UE	Growatt 6000 UE
<b>Input Data</b>			
Max. DC power	4200W	5200W	6300W
Max DC voltage	800V	800V	800V
Start Voltage	150V	150V	150V
PV voltage range	140V - 800V	140V - 800V	140V - 800V
MPP voltage range / nominal voltage	200V - 800V / 580V	200V - 800V / 580V	200V - 800V / 580V
Full load DC voltage range	250V - 750V	300V - 750V	350V - 750V
Number of MPP trackers/ strings per MPP tracker	2/1	2/1	2/1
Max. input current	9A / 9A	9A / 9A	10A / 10A
Max. input current per string	16A	16A	16A
<b>Output (AC)</b>			
Rated AC output power	4000W	5000W	6000W
Max. AC apparent power	4000VA	5000VA	6000VA
Max. output current	6.4A	7.9A	9.3A
AC nominal voltage; range	3/N/PE, 230V/400V 185 - 260V	3/N/PE, 230V/400V 185 - 260V	3/N/PE, 230V/400V 185 - 260V
AC grid frequency; range	50/60Hz; 44-55Hz/54-65Hz	50/60Hz; 44-55Hz/54-65Hz	50/60Hz; 44-55Hz/54-65Hz
Power factor at rated power	1	1	1
Displacement power factor configurable*	0.9 leading -0.9lagging	0.9 leading -0.9lagging	0.9 leading -0.9lagging
THDI	<3%	<3%	<3%
AC connection	Three phase	Three phase	Three phase
<b>Efficiency</b>			
Max. efficiency	97.1%	97.3%	97.5%
Euro - eta	96.5%	96.6%	96.8%
MPPT efficiency	99.5%	99.5%	99.5%
<b>Protection Devices</b>			
DC reverse polarity protection	yes	yes	yes
DC switch for each MPPT	yes	yes	yes
Output AC overcurrent protection	yes	yes	yes
Output AC 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
<b>General Data</b>			
Dimensions (W / H / D) in mm	433/560/200	433/560/200	433/560/200
Weight	30KG	35KG	35KG
Operating temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Noise emission (typical)	≤ 35 dB(A)	≤ 35 dB(A)	≤ 35 dB(A)
Self-consumption night	< 0.5W	< 0.5W	< 0.5W
Topology	Transformerless	Transformerless	Transformerless
Cooling concept	Natural	Natural	Natural
Environmental Protection Rating	IP 65	IP 65	IP 65
Altitude	2000m without derating	2000m without derating	2000m without derating
Relative Humidity	0~95%	0~95%	0~95%
<b>Features</b>			
DC connection	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)
AC connection	Screw terminal	Screw terminal	Screw terminal
Display	LCD	LCD	LCD
Interfaces: RS232/R485/ Ethernet/RF/Wi-Fi	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
<b>Certificates and Approvals</b>			
CE VDE0126-1-1, N4105, IEC 62109, C10/C11, EN61000-6-2, EN61000-6-3			

\*0.95leading...0.95lagging with CEI 0-21 (System power less than 6KW)  
0.9leading...0.9lagging with CEI 0-21 (System power larger than 6KW)