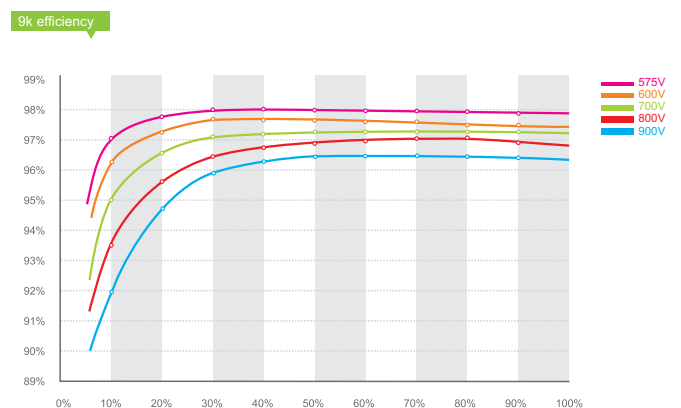




Leading - edge Technology

- ▶ DC input voltage up to 1000V
- ▶ Maximum efficiency of 98%
- ▶ Internal DC switch
- ▶ Transformerless
- ▶ Compact design
- ▶ Multi MPP controller
- ▶ MTL - String
- ▶ Ethernet / RF technology / WiFi
- ▶ Sound control
- ▶ Easy installation
- ▶ Comprehensive Growatt warranty program



GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

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Datasheet

	Growatt 7000UE	Growatt 8000UE	Growatt 9000UE
Input Data			
Max. DC power	7700W	8800W	9900W
Max DC voltage	1000V	1000V	1000V
Start Voltage	350V	350V	350V
PV voltage range	180V - 1000V	180V - 1000V	180V - 1000V
MPP voltage range / nominal voltage	300V - 1000V / 600V	300V - 1000V / 600V	300V - 1000V / 600V
Full load voltage range	400V-800V	400V-800V	400V-800V
Number of MPP trackers/ strings per MPP tracker	2/2	2/2	2/2
Max. input current	15A / 15A	15A / 15A	15A / 15A
Max. input current per string	15A	15A	15A
Output (AC)			
Rated AC output power	7KW	8KW	9KW
Max. AC apparent power	7.0KVA	8.0KVA	9.0KVA
Max. output current	11.7A	13.3A	15A
AC nominal voltage; range	230V/400V 184 - 275V	230V/400V 184 - 275V	230V/400V 184 - 275V
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*	0.8 leading -0.8lagging	0.8 leading -0.8lagging	0.8 leading -0.8lagging
THDi (@Full load &THDv<1%)	<3%	<3%	<3%
AC connection	3/N/PE	3/N/PE	3/N/PE
Efficiency			
Max. efficiency	98%	98%	98%
Euro - eta	97.0%	97.2%	97.5%
MPPT efficiency	99.5%	99.5%	99.5%
Protection Devices			
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
General Data			
Dimensions (W / H / D)	490/740/235 mm	490/740/235 mm	490/740/235 mm
Weight	41kg/90.4lb	41kg/90.4lb	41kg/90.4lb
Operating temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Noise emission (typical)	≤55 dB(A)	≤ 55 dB(A)	≤ 55 dB(A)
Self-Consumption (night)	< 0.5W	< 0.5W	< 0.5W
Topology	Transformerless	Transformerless	Transformerless
Cooling concept	Smart cooling	Smart cooling	Smart cooling
Environmental Protection Rating	IP 65	IP 65	IP 65
Altitude	2000m without derating	2000m without derating	2000m without derating
Relative Humidity	0~100%	0~100%	0~100%
Features			
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/WiFi	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

Certificates and Approvals

¹0.9leading...0.9lagging with VDE AR-N4105.
⁰9leading...0.9lagging with CEI 0-21 (System power less than 6KW)

AS4777, VDE-AR-N4105, CE, VDE 0126-1-1, IEC 62109-1/-2