



Growatt inverter 10000UE/12000UE/18000UE/20000UE

- > DC input voltage of up to 1000 V
- > Maximum efficiency of 98 %
- > Internal DC Switch
- > Transformerless
- > Compact design
- > Multi MPP controller
- > MTL-String
- > Bluetooth Technology
- > Easy installation
- > Sound control
- > Comprehensive Growatt warranty program

Europe ENS

- > Simple national setting of line supply monitoring(ENS)
- > Easy country configuration
- > Multi-language display

Model	Growatt 10000UE	Growatt 12000UE	Growatt 18000UE	Growatt 20000UE
Specifications				
Input data				
Max. DC power	10200W	12250W	18400W	20400W
Max. DC voltage	1000V	1000V	1000V	1000V
PV voltage range MPPT	400V-800V	400V-800V	400V-800V	400V-800V
Max. input current(input A/input B)	15A/15A	17A/17A	22A/22A	25A/25A
Number of MPP trackers	2	2	2	2
Max. number of parallel strings	2/2	2/2	3/3	3/3
DC Connections	MC4(optional MC3)	MC4(optional MC3)	MC4(optional MC3)	MC4(optional MC3)
Output (AC)				
Nominal output power	10KW	12KW	18KW	20KW
Max. AC power	10KVA	12KVA	18KVA	20KVA
Max. output current(over 110%)	14.4A	17.5A	26A	29A
AC voltage range	3/N/PE 230V/400V	3/N/PE 230V/400V	3/N/PE 230V/400V	3/N/PE 230V/400V
AC grid frequency range	50 /60 Hz-6Hz / + 5 Hz	50/60 Hz -6Hz/ + 5 Hz	50 /60 Hz -6Hz/ + 5 Hz	50 /60 Hz -6Hz/ +5 Hz
Phase shift (cos φ)	0.8leading- 0.8laging	0.8leading- 0.8laging	0.8leading- 0.8laging	0.8leading- 0.8laging
AC output THD	<3%(normal power output)	<3%(normal power output)	<3%(normal power output)	<3%(normal power output)
AC connection	Three phase	Three phase	Three phase	Three phase
Consumption(night)	<1W	<1W	<1W	<1W
Electronics string fuse	20A	25A	30A	40A
Ground failure detection	yes	yes	yes	yes
Efficiency				
Max efficiency	98%	98%	98%	98%
Euro-eta	97.5%	97.5%	97.5%	97.5%
General Data				
Weight	41KG	41KG	60KG	60KG
Isolation	Transformerless	Transformerless	Transformerless	Transformerless
Ambient temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
Cooling concept	Fans	Fans	Fans	Fans
Installation: Indoors / Outdoors (IP65 electronics)	yes/yes	yes/yes	lyes/yes	yes/yes
Installation	opt / yes / yes	opt / yes / yes	opt / yes / yes	opt / yes / yes

:Bluetooth/RS485				
/RS232				
LCD display	Yes(Alphanumeric 4 lines)	Yes(Alphanumeric 4 lines)	Yes(Alphanumeric 4 lines)	Yes(Alphanumeric 4 lines)
Warranty: 5 years / 10 years	yes /opt	yes /opt	yes /opt	yes /opt
Certificates and approvals	EN61000 - 6 - 2 , EN61000 - 6 - 3 , VDE0126 - 1 - 1 , DK5940 , CQC , RD1663 , G59 , SAA			