



Leading - edge Technology

- ▶ 10KW three phase on-grid inverter with energy storage
- ▶ Self-consumption and Feed-in to the grid
- ▶ Programmable supply priority for PV, Battery or Grid
- ▶ User-adjustable charging current up to 200A
- ▶ Programmable multiple operations modes: Grid tie, Off grid, and grid-tie with backup
- ▶ Built-in Timer for various mode of on/off operation
- ▶ Multiple communication for USB, RS-232, Modbus and SNMP
- ▶ Monitoring software for real time status display and control

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PHASE	3-phase in / 3-phase out
RATED OUTPUT POWER	10000 W
MAXIMUM CHARGING POWER	9600 W

GRID-TIE OPERATION

PV INPUT (DC)

Maximum PV Input Power	14850W
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	350 VDC ~ 850 VDC
Number of MPP Trackers / Maximum Input Current	2 / 2 x 18.6A

GRID OUTPUT (AC)

Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265 VAC per phase
Nominal Output Current	14.5 A per phase
Power Factor	>0.99

EFFICIENCY

Maximum Conversion Efficiency (DC/AC)	96%
European Efficiency @ Vnominal	95%

OFF-GRID OPERATION

AC INPUT

AC Start-up Voltage/Auto Restart Voltage	120 - 140 VAC per phase / 180 VAC per phase
Acceptable Input Voltage Range	170 - 280 VAC per phase
Maximum AC Input Current	25A

PV INPUT (DC)

Maximum DC Voltage	900 VDC
MPP Voltage Range	350 VDC ~ 850 VDC
Number of MPP Trackers / Maximum Input Current	2 / 2 x 18.6A

BATTERY MODE OUTPUT (AC)

Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Waveform	Pure Sinewave
Efficiency (DC to AC)	91%

HYBRID OPERATION

PV INPUT (DC)

Nominal DC Voltage / Maximum DC Voltage	720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	350 VDC ~ 850 VDC
Number of MPP Trackers / Maximum Input Current	2 / 2 x 18.6A

Datasheet

Growatt 10000HY

GRID OUTPUT (AC)

Nominal Output Voltage

230 VAC (P-N) / 400 VAC (P-P)

Output Voltage Range

184 - 265 VAC per phase

Nominal Output Current

14.5 A per phase

AC INPUT

AC Start-up Voltage / Auto Restart Voltage

120 - 140 VAC per phase / 180 VAC per phase

Acceptable Input Voltage Range

170 - 280 VAC per phase

Maximum AC Input Current

25A

BATTERY MODE OUTPUT (AC)

Nominal Output Voltage

230 VAC (P-N) / 400 VAC (P-P)

Efficiency (DC to AC)

91%

BATTERY & CHARGER

Nominal DC Voltage

48 VDC

Maximum Charging Current

Default 60A, 5A - 200A (Adjustable)

GENERAL

PHYSICAL

Dimension, D X W X H (mm)

622 x 500 x 167.5

Net Weight (kgs)

45

INTERFACE

Communication Port

RS-232/USB and CAN Interface

Intelligent Slot

Optional SNMP, Modbus, and AS-400 cards available

ENVIRONMENT

Humidity

0 ~ 90% RH (No condensing)

Operating Temperature

-10 to 55 ° C

Altitude

0 ~ 1000 m*

*Power derating 1% every 100 m when altitude is over 1000m
Product specifications are subject to change without further notice.