



Leading - edge Technology

- ▶ 10KW three phase on-grid inverter with energy storage
- ▶ Parallel operation with up to 3 units
- ▶ 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

Parallel Operation Diagram



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Datasheet		Growatt 10000HYP
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
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.