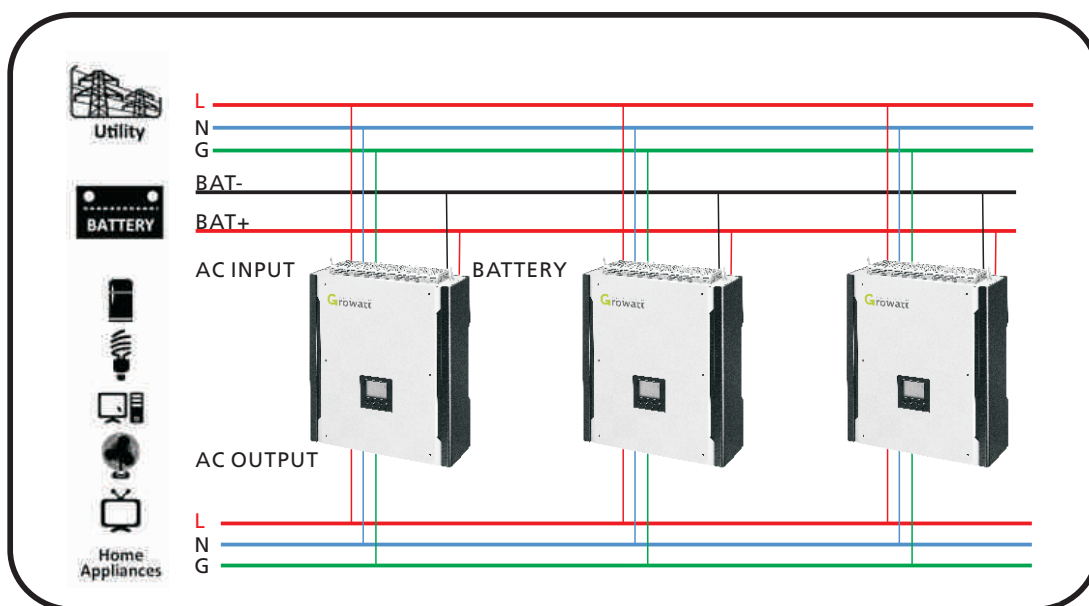




Leading - edge Technology

- ▶ 5KW single phase on-grid inverter with energy storage
- ▶ Parallel operation with up to 6 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



GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

A: No.28 Guangming Road, Longteng Community, Shiyan, Baoan District, Shenzhen, P.R.China.

T: + 86 755 2747 1900 F: + 86 755 2749 1460 E: info@ginverter.com

Datasheet		Growatt 5000HYP	
PHASE		1-phase in / 1-phase out	
RATED OUTPUT POWER		5000 W	
MAXIMUM CHARGING POWER		4800 W	
GRID-TIE OPERATION			
PV INPUT (DC)			
Maximum PV Input Power		10000W	
Nominal DC Voltage / Maximum DC Voltage		720 VDC / 900 VDC	
Start-up Voltage / Initial Feeding Voltage		225 VDC / 250 VDC	
MPP Voltage Range		250 VDC ~ 850 VDC	
Number of MPP Trackers / Maximum Input Current		2 / 2 x 10A	
GRID OUTPUT (AC)			
Nominal Output Voltage		208 / 220 / 230 / 240VAC	
Output Voltage Range		184 - 265.5 VAC *	
Nominal Output Current		21 A	
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 / 180 VAC	
Acceptable Input Voltage Range		170 - 280 VAC	
Maximum AC Input Current		40A	
PV INPUT (DC)			
Maximum DC Voltage		900 VDC	
MPP Voltage Range		250 VDC ~ 850 VDC	
Number of MPP Trackers / Maximum Input Current		2 / 2 x 10A	
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage		202 / 208 / 220 / 230 / 240VAC	
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		220 VDC / 250 VDC	
MPP Voltage Range		250 VDC ~ 850 VDC	
Number of MPP Trackers / Maximum Input Current		2 / 2 x 10A	
GRID OUTPUT (AC)			
Nominal Output Voltage		202 / 208 / 220 / 230 / 240VAC	
Output Voltage Range		184 - 265.5 VAC *	
Nominal Output Current		21 A	
AC INPUT			
AC Start-up Voltage /Auto Restart Voltage		120 - 140 VAC / 180 VAC	
Acceptable Input Voltage Range		170 - 280 VAC	
Maximum AC Input Current		40A	
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage		202 / 208 / 220 / 230 / 240VAC	
Efficiency (DC to AC)		91%	
BATTERY & CHARGER			
Nominal DC Voltage		48 VDC	
Maximum Charging Current		100A	
GENERAL			
PHYSICAL			
Dimension , D X W X H (mm)		204 x 460 x 600	
Net Weight (kgs)		29	
INTERFACE			
Communication Port		RS-232/USB	
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**	

*These figures may vary depending on different AC voltage and country requirements.

**power derating 1% every 100m when altitude is over 1000m.

product specifications are subject to change without further notice.