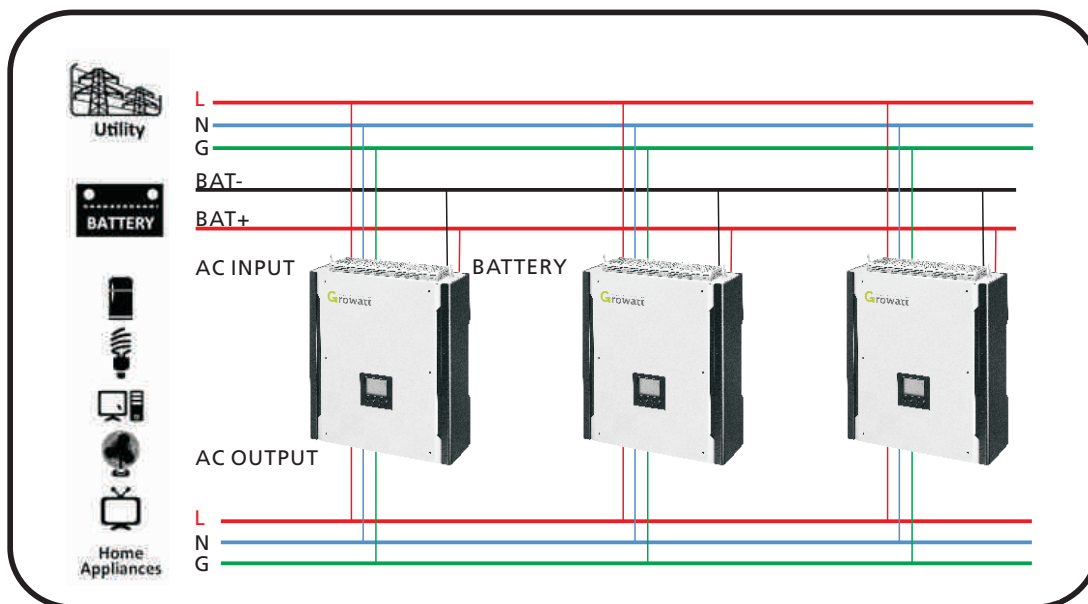




## Leading - edge Technology

- ▶ 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



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<b>Datasheet</b>		<b>Growatt 5000HYP</b>	
PHASE		1-phase in / 1-phase out	
RATED OUTPUT POWER		5000 W	
MAXIMUM CHARGING POWER		4800 W	
<b>GRID-TIE OPERATION</b>			
<b>PV INPUT (DC)</b>			
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	
<b>GRID OUTPUT (AC)</b>			
Nominal Output Voltage		208 / 220 / 230 / 240VAC	
Output Voltage Range		184 - 265.5 VAC *	
Nominal Output Current		21 A	
Power Factor		>0.99	
<b>EFFICIENCY</b>			
Maximum Conversion Efficiency (DC/AC)		96%	
European Efficiency @ Vnominal		95%	
<b>OFF-GRID OPERATION</b>			
<b>AC INPUT</b>			
AC Start-up Voltage/Auto Restart Voltage		120 - 140 VAC / 180 VAC	
Acceptable Input Voltage Range		170 - 280 VAC	
Maximum AC Input Current		40A	
<b>PV INPUT (DC)</b>			
Maximum DC Voltage		900 VDC	
MPP Voltage Range		250 VDC ~ 850 VDC	
Number of MPP Trackers / Maximum Input Current		2 / 2 x 10A	
<b>BATTERY MODE OUTPUT (AC)</b>			
Nominal Output Voltage		202 / 208 / 220 / 230 / 240VAC	
Output Waveform		Pure Sinewave	
Efficiency (DC to AC)		91%	
<b>HYBRID OPERATION</b>			
<b>PV INPUT (DC)</b>			
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	
<b>GRID OUTPUT (AC)</b>			
Nominal Output Voltage		202 / 208 / 220 / 230 / 240VAC	
Output Voltage Range		184 - 265.5 VAC*	
Nominal Output Current		21 A	
<b>AC INPUT</b>			
AC Start-up Voltage /Auto Restart Voltage		120 - 140 VAC / 180 VAC	
Acceptable Input Voltage Range		170 - 280 VAC	
Maximum AC Input Current		40A	
<b>BATTERY MODE OUTPUT (AC)</b>			
Nominal Output Voltage		202 / 208 / 220 / 230 / 240VAC	
Efficiency (DC to AC)		91%	
<b>BATTERY &amp; CHARGER</b>			
Nominal DC Voltage		48 VDC	
Maximum Charging Current		100A	
<b>GENERAL</b>			
<b>PHYSICAL</b>			
Dimension , D X W X H (mm)		204 x 460 x 600	
Net Weight (kgs)		29	
<b>INTERFACE</b>			
Communication Port		RS-232/USB	
Intelligent Slot		Optional SNMP, Modbus, and AS-400 cards available	
<b>ENVIRONMENT</b>			
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.