

On and Off Grid Solar Hybrid Inverter



Features:

1. On and off grid pure sine wave solar inverter.
2. Output power factor 1.0.
3. WIFI & GPRS available for IOS and Android.
4. Inverter running without battery.
5. One-key restoration to factory Settings.
6. Built-in Lithium battery automatic activation.
7. Built-in 160A MPPT solar charger.
8. High Pv input voltage range(90~450vDC).
9. Built-in anti-dusk kit for harsh environment.
10. Smart battery charge design to optimize battery life.
11. Dual output
12. Touch button

Model	HYGMAX-4.2 KW	HYGMAX-6.2 KW	HYGMAX-8.2KW	HYGMAX-10.2KW
RATED POWER	4200VA/4200W	6200VA/6200W	8200VA/8200W	10200VA/10200W
GRID-TIE OPERATION				
PV INPUT (DC)				
Normal DC/Max DC voltage	360VDC/450VDC			
Start-up/Feeding Voltage	60VDC/120VDC		90VDC/120VDC	
MPPT Voltage Range	60VDC~450VDC		90VDC~450VDC	
Number of MPPT Trackers/Max input A	1/27A		2/27A	
Waveform	Pure sine wave			
GRID OUTPUT(AC)				
Normal Output Voltage	220/230/240 VAC			
Output Voltage Range	195' 253 VAC			
Normal Output Current	18.2A	27A	35.6 A	44.3A
Power Factor	>0.99			
Feed-in Grid Frequency Range	49-51 ± 1Hz/59-61±48			
MAX Conversion EFFICIENCY(DC/AC)	96%			
TWO LOAD OUTPUT POWER				
Full Load	4200W	6200W	8200W	10200W
Maximum Main Load	4200W	6200W	8200W	10200W
Maximum Second Load(battery mode)	1400W	2067W	2733W	3400W
Main Load Cut Of Voltage	22VDC	44VDC	44VDC	44VDC
Main Load Return Voltage	24VDC	48VDC	54VDC	54VDC
OFF-GRID OPERATION				
AC INPUT				
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC			
Acceptable Input Voltage Range	90-280VAC or 170-280VAC			
Maximum AC Input Current	30A	40A	60A	60A
Nominal operating frequency	50/60Hz			
Surge Power	8400W	12400W	16400W	20400W
PV INPUT (DC)				
Maximum DC Voltage	450VDC			
BATTERY MODE OUTPUT (AC)				
Nominal Output Voltage	220/230/240VAC			
Output Waveform	Pure sine wave			
Efficiency(DC to AC)	96%			
BATTERY &CHARGER				
Nominal DC Voltage	24VDC	48VDC	48VDC	48VDC
Max Solar charging Current	120A	120A	160A	160A
Max AC Charging Current	100A	100A	120A	150A
Net weight(kgs)	8	9	21	21
Communication Port	RS232/WIFI/Remove LCD/GPRS			
Operating Temperature	-10~50℃			