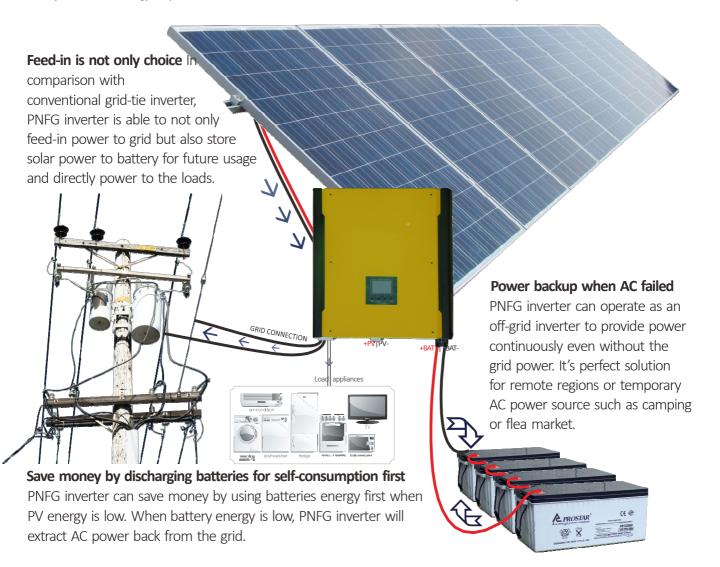


- » LCD display panel
- » Pure sinewave output
- » Charging system stable
- » Microprocessor control
- » Multiple communication
- » Built-in MPPT solar charger
- » Green substitution for generators
- » User-adjustable battery charging current up to 25A
- » Multiple operations: Grid tie, Off grid, On/Off grid mixed

This hybrid PV inverter can provide power to connected loads by utilizing PV power, utility power and battery power. When PV energy output is good, it will power connected loads from solar electric (photovoltaic or PV) power, feed power back to grid (utility), and charge battery. When PV energy output is not sufficient for connected loads, this inverter will convert the utility at the same time.

Grid tie + Off-grid = Hybrid

Grid tie + Officeria = Hybrid





| MODEL | PNFG-2KW | P N F G - 3 K W |
|---|---|----------------------------------|
| RATED POWER | 2000W | 3000W |
| | GRID-TIE OPERATION PV INPUT(DC) | |
| Maximum DC Power | 2250W | 3200W |
| Nominal DC Voltage / Maximum DC Voltage | 300V DC / 350V DC | 360V DC / 500V DC |
| Start-up Voltage / Initial Feeding Voltage | 80V DC / 120V DC | 116V DC / 150V DC |
| MPP Voltage Range | 150V DC - 320V DC | 250V DC - 450V DC |
| No. of MPP Trackers / Max. Input Current | 1 / 1 x 15A | 1 / 1 x 13 A |
| 6 | GRID-TIE OPERATION GRID OUTPUT (AC) | |
| Nominal Output Voltage | 101/110/120/127V AC | 208/220/230/240V AC |
| Output Voltage Range | 88 - 127V AC* | 184 - 264.5V AC* |
| Nominal Output Current | 18A | 13.1A* |
| Power Factor | > | 0.99 |
| | | |
| | GRID-TIE OPERATION EFFICIENCY | |
| Maximum Conversion Efficiency (DC to AC) | 95% | 96% |
| European Efficiency @ Vnominal | 94% | 95% |
| | OFF GRID OPERATION AC INPUT | |
| AC Start-up Voltage/Auto Restart Voltage | 60 - 70V AC / 85V AC | 120 - 140V AC / 180V AC |
| Acceptable Input Voltage Range | 85 - 130V AC* | 170 - 280V AC |
| No. of MPP Trackers / Max. Input Current | 30A | 25A |
| | OFF GRID OPERATION PV INPUT (DC) | |
| Maximum DC Voltage | 350V DC | 500V DC |
| M PP Voltage Range | 150V DC - 320V DC | 250V DC - 450V DC |
| Maximum Input Current | 1 / 1 x 15A | 1 / 1 x 13 A |
| OFF GI | RID OPERATION BATTERY MODE OUTPUT | I (AC) |
| Nominal Output Voltage | 101/110/120/127V AC | 208/220/230/240V AC |
| Output Waveform | | Sinewave |
| Efficiency (DC to AC) | 90% | 93% |
| | HYBRID OPERATION PV INPUT (DC) | |
| Naminal DC Valtaga / Maying uma DC Valtaga | | 3C0V DC / F00V DC |
| Nominal DC Voltage / Maximum DC Voltage | 300V DC / 350V DC | 360V DC / 500V DC |
| Start-up Voltage / Initial Feeding Voltage | 80V / 120V DC | 116V / 150V DC |
| M PP Voltage Range Maximum Input Current | 150V DC - 320V DC 1 / 1 x 15A | 250V DC - 450V DC 1 / 1 x 13A |
| · · · | | 1/1113A |
| | HYBRID OPERATION GRID OUTPUT (AC) | |
| Nominal Output Voltage | 101/110/120/127V AC | 208/220/230/240V AC |
| Output Voltage Range | 88 - 127V AC | 184 - 264.5V AC |
| Nominal Output Current | 18A | 13.1A* |
| | HYBRID OPERATION AC INPUT | |
| AC Start-up Voltage/Auto Restart Voltage | 60 - 70V AC / 85V AC | 120 - 140V AC / 180V AC |
| Accetable Input Voltage Range | 80 - 130V AC* | 170 - 280V AC |
| Maximum AC Input Current | 30A | 25A |
| HYBR | ID OPERATION BATTERY MODE OUTPUT | (AC) |
| Nominal Output Voltage | 101/110/120/127V AC | 208/220/230/240V AC |
| Efficien cy (DC to AC) | 90% | 93% |
| Н | YBRID OPERATION BATTERY & CHARGER | |
| Nominal DC Voltage | 48V DC | |
| Maximum Charging Current | 25A | |
| | RAL PHYSICAL / INTERFACE / ENVIRONM | |
| | 420 x 415 x 170 | |
| Dimensions, D x W x H (mm) | 420 X 415 X 170 15.5 | |
| Net Weight (kgs) | | |
| Commnication Port | RS-232 / USB | |
| Intelligent Slot | Optional SNMP, Modbus, and AS-400 cards available | |
| Humidity | 0 ~ 90% RH No condensing | |
| Operating Temperature | 0 to 40 °C | |
| Altitu d e | 0~1000m ** | |