

GH6000TL

On-grid/Off-grid Hybrid Energy Storage PV Inverter

Specifications



Features



Multiple operating modes, on-grid, off-grid and UPS, MPPT charger built-in.



IP65 protection rating



Integrated smart APP, can remotely diagnose and update.



Droop control, Max 6pcs in parallel.



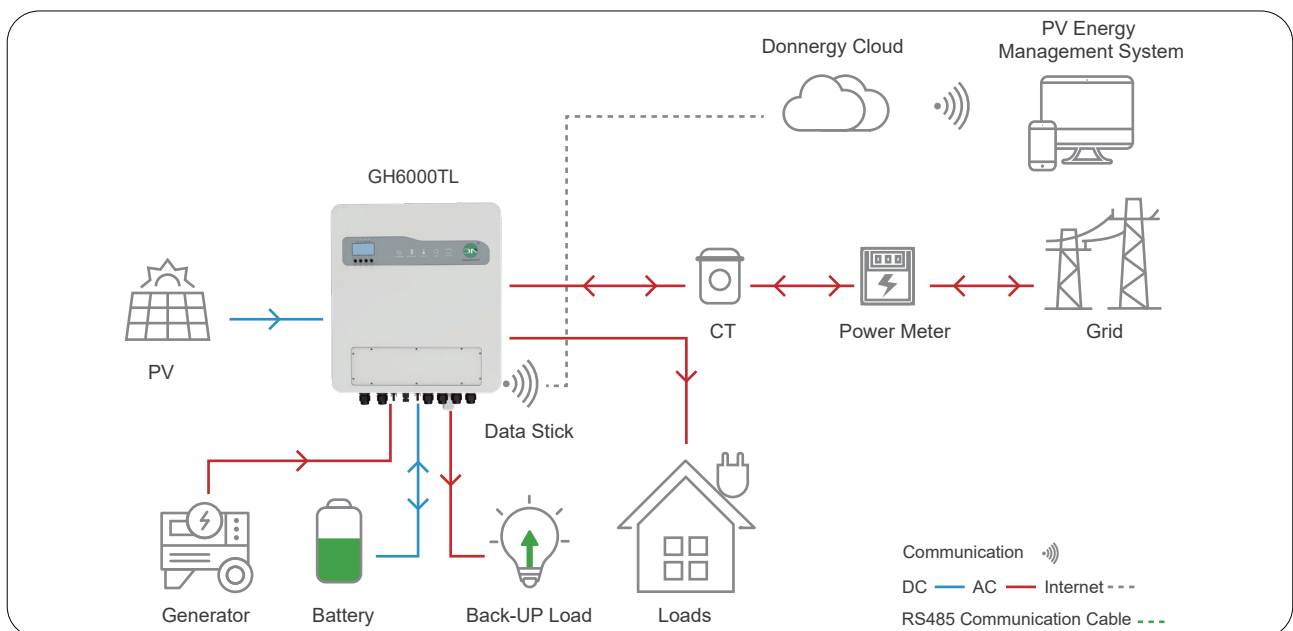
Five-years warranty



Compatible with almost all 48V LiFePO4 battery pack.

This On-grid/Off-grid Hybrid PV Inverter has both Grid-tied/Off-grid and Energy Storage Function:

- Power generated by the PV array or a diesel generator or from the Utility Grid can be stored in a battery or to be used to power your loads.
- Power generated by the PV array or stored inside the battery can be sold to the Utility Grid or to be used to power your loads.
- Featured with UPS function, ensure that the load is not powered off, and support dual AC output to the load.
- Support a variety of load types, such as resistive, inductive and capacitive loads, including two-phase unbalanced loads and half-wave rectified loads.



| Model | GH6000TL |
|---|--|
| PV Input (DC) | |
| Maximum Input Power | 7000w |
| Maximum Input Voltage | 500V |
| Starting Voltage | 150V |
| PV Input Voltage Range | 370V (100V~500V) |
| MPPT Voltage Range | 120V~450V |
| MPPT Quantity | 2 |
| Maximum Input Current | 18A/18A |
| Output/Input (AC) | |
| Rated Output Power | 6000W |
| Maximum Output Apparent power | 6600W |
| Rated Output Current | 26.1A |
| Maximum Output Current | 28.7A |
| Grid Voltage Type | 230VAC (single phase) |
| Rated Grid Frequency | 50Hz/60Hz (optional) |
| Total Current Waveform Distortion Rate | <3% (rated power) |
| Power Factor Range | >0.99 @ full power (Adjustable range 0.8 lead ~ 0.8 hysteresis) |
| Off-Grid Output | |
| Maximum Output Power | 6000W |
| Rated Output Voltage | 230VAC (single phase) |
| Rated Output Frequency | 50Hz/60Hz (optional) |
| Switching Time | ≤ 10ms |
| Total Harmonic Distortion (Linear Load) | THD<3% (Linear load<1.5%) |
| Overload capacity | 2 times of rated power, 10 S |
| Battery | |
| Battery Voltage Range | 40~60V |
| Maximum Battery Charge Current | 100A |
| Maximum Battery Discharge Current | 150A |
| Battery Type | Lead-acid or Lithium-ion |
| Communication Interface | RS485; CAN |
| Efficiency | |
| Maximum Efficiency | 98% |
| European Efficiency | 97% |
| MPPT Efficiency | 99.9% |
| Inverter Efficiency | 94.8% |
| System | |
| Protection Level | IP65 |
| Ambient Temperature | -25~60 ℃, >45 ℃ Derating |
| Ambient Humidity | 0-95% No condensation |
| Cooling Method | Smart cooling |
| Altitude | ≤2000m |
| Display | LCD |
| Communication | RS485/USB/CAN/Wifi(GPRS optional) |
| Warranty | 5 years (standard) |
| Other Data | |
| Installation | Wall-mounted |