

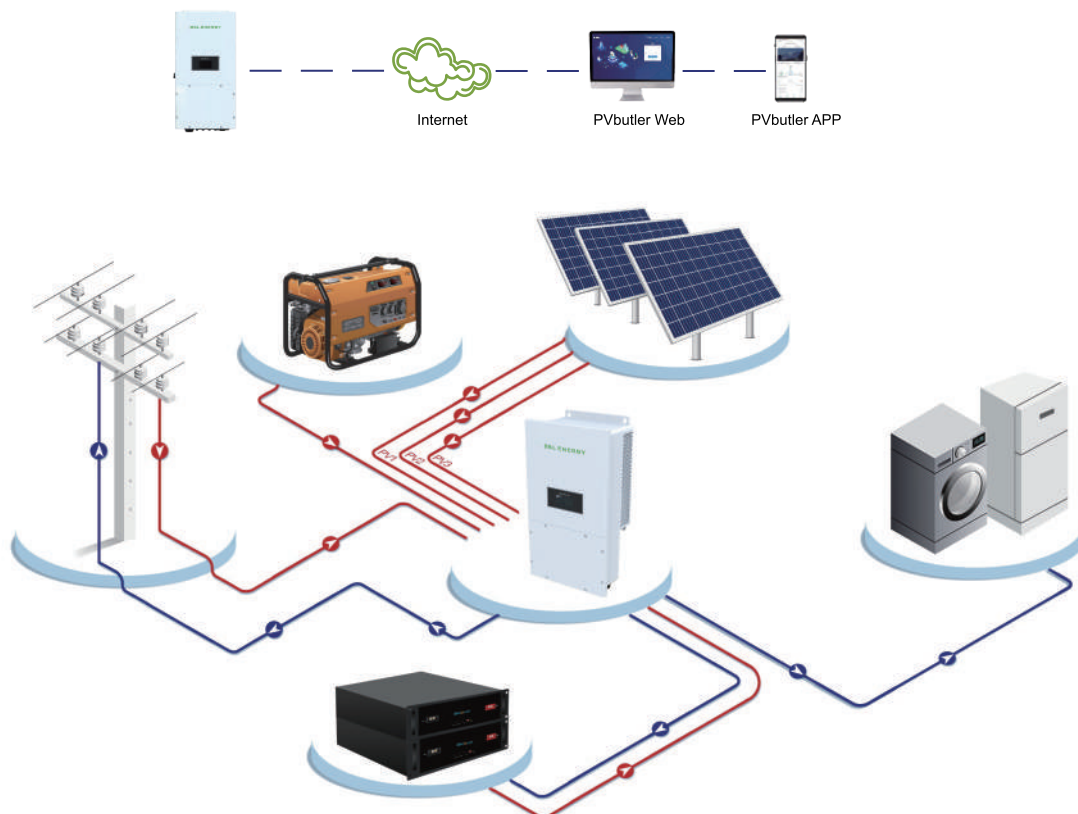
GSL G10K-US

Hybrid Solar Inverter



MAIN FEATURES

- ▶ Max.6 units in parallel in both on/off-grid modes
- ▶ UPS function, 10ms transition
- ▶ 1.5 DC/AC ratio with 3 MPPT
- ▶ Up to 200A charging/discharging current
- ▶ Support DC-coupled, AC-coupled, AC-retrofit applications
- ▶ Type II Surge protection for DC and AC sides
- ▶ Support storing energy from diesel generator
- ▶ Support both single phase and split phase application



Technical Data

| Model | GSL G10K-US |
|---|---|
| Input Data (DC) | |
| Max. Recommended PV]power (for module STC) | 15000W |
| Max. DC Voltage | 525V |
| Start Voltage | 150V |
| MPPT Voltage Range | 150V~450V/370V |
| No. of MPP Trackers | 3 |
| No. of PV Strings Per MPP Tracker | 2 |
| Max. Input Current Per MPP Tracker | 22A |
| Max. Short-circuit Current Per MPP Tracker | 27A |
| Output Data (AC) | |
| AC Nominal Power | 10000W |
| Max. AC Apparent Power | 10000VA |
| Nominal AC Voltage (Range*) | 230V, 120V/240V Split (180Vac~280Vac) |
| AC Grid Frequency (Range*) | 50/60Hz |
| Max. Output Current | 50A |
| Adjustable Poer Factor | 0.8 Leading... 0.8 Lagging |
| THD | < 3% |
| AC Grid Connection Type | Single /Split Phase |
| Battery Data (DC) | |
| Battery Voltage Range | 40-60V |
| Max Charging & Discharging Current | 200A |
| Continuous charging & Discharging Power | 10000W |
| Type of Battery | Lithium/ Lead-acid |
| Backup Power (AC) | |
| AC Nominal Output Power | 10000W |
| Nominal AC Output Voltage | 230V, 120V/240V Split |
| Nominal AC Output Frequency | 50/60Hz |
| Switch Time | < 10ms |
| Efficiency | |
| Max. Efficiency | 98.10% |
| European Efficiency | 97.60% |
| MPPT Efficiency | 99.90% |
| Protection Devices | |
| PV Switch | Yes |
| AC Over Current Protection | Yes |
| AC Over Voltage Protection | Yes |
| Ground Fault Monitoring | Yes |
| Grid Monitoring | Yes |
| Anti-islanding Protection | Yes |
| Residula-current Monitoring Unit | Yes |
| Insulation Resistance Monitoring | Yes |
| AFCI Protection | Yes |
| Surge Protection | DC Type II / AC Type II |
| General Data | |
| Dimensions (W/H/D) | 830*440*255mm |
| Weight | 36kg |
| Operationg Temperature Range | -25°C ~ +60°F (-13~+140°C) with derating above 45°C/113°F |
| Noise Emission (Typical) | ≤ 30dB (A) |
| Self-Consumption < | < 60W |
| Topology | Transformer-base |
| Cooling | Smart cooling |
| Protection Degree | IP65/NEMA 4 |
| Relative Humidity | 0~100% |
| Altitude | 2000m |
| DC Connection | Quit Connector |
| Display | LCD |
| Interface: RS458/CAN/USB | Yes |
| Mointor: RF/ WiFi/GPRS | Opt |
| Warranty | 5 years |