

HP plus Solar Inverter (4000W)

Feature:

- ◆ Pure sine wave output.
- ◇ High frequency design ,high efficiency with low no-load loss.
- ◆ Built-in MPPT solar controller ,solar input voltage up to 450V Maximum.
- ◇ Combining solar system, AC utility, and battery power source to supply continuous power.
- ◆ Smart LCD setting (Working modes, Charging Current, Charge Voltage, AC Output voltage / frequency, etc).
- ◇ LED+LCD display is easy to operate.
- ◆ Support provide the power to the load without battery (Without parallel operation) .
- ◇ Multi-protection function(Overload, over temperature, short circuit protection ,etc).
- ◆ Parallel operation with up to 9 units.
- ◇ Support USB, RS232 communication, APP (WIFI ,etc optional) .



Product Parameters

| Specification | | |
|-------------------------|--|--|
| Model: | | HP plus-402 |
| Rated Power | | 4000W |
| Peak Power (20ms) | | 12KVA |
| Battery Voltage | | 48VDC |
| Product Size (L*W*Hmm) | | 440x300x110 |
| Package Size (L*W*Hmm) | | 515x375x205 |
| N.W (Kg) | | 9.5 |
| G.W (Kg) | | 10.5 |
| Installation Method | | Wall-Mounted |
| PV | Charging Mode | MPPT |
| | Rated PV input voltage | 360VDC |
| | MPPT tracking voltage range | 120V-430V |
| | Max PV Input Voltage Voc (At the lowest temperature) | 450V |
| | PV Array Maximum Power | 4200W |
| | MPPT tracking channels (input channels) | 1 |
| Input | DC Input Voltage Range | 42VDC-60VDC |
| | Rated AC input voltage | 208VAC/220VAC/230VAC/240VAC |
| | AC Input Voltage Range | 90VAC~280VAC(Appliance mode)/170VAC~280VAC(UPS mode) |
| | AC Input Frequency Range | 40Hz~70Hz(default) |
| Output | Output efficiency(Battery/PV Mode) | 94% (Peak value) |
| | Output Voltage(Battery/PV Mode) | 208VAC±2%/220VAC±2%/230VAC±2%/240VAC±2%(INV mode) |
| | Output Frequency(Battery/PV Mode) | 50Hz/60Hz±0.1% |
| | Output Wave(Battery/PV Mode) | Pure Sine Wave |
| | Efficiency(AC Mode) | >99% |
| | Output Voltage(AC Mode) | Follow input |
| | Output Frequency(AC Mode) | Follow input |
| | Output waveform distortion | ≤3%(Linear load) |
| | No load loss(Battery Mode) | ≤1% rated power |
| No load loss(AC Mode) | ≤0.5% rated power(charger does not work in AC mode) | |
| Battery | Battery Type | VRLA Battery Charge Voltage :56.4V; Float Voltage:54V Customize battery Charging and discharging parameters of different types of batteries can be customized according to user requirements (charging and discharging parameters of different types of batteries can be set through the operation panel) |
| | Max AC Charging Current | 60A |
| | Max PV Charging Current | 80A |
| | Maximum charging current (mains + PV) | 80A |
| | Charging method | Three-stage (constant current, constant voltage, floating charge) |
| Protection | Battery low voltage alarm | Factory default: 44V |
| | Battery low voltage protection | Factory default: 42V |
| | Battery over voltage protection | 61VDC |
| | Overload power protection | Automatic protection (battery mode), circuit breaker or insurance (AC mode) |
| | Inverter output short circuit protection | Automatic protection (battery mode), circuit breaker or insurance (AC mode) |
| | Temperature protection | >90°C(Shut down output) |
| Working Mode | | Mains priority/Solar priority/Battery priority(Can be set) |
| Transfer Time | | ≤10ms |
| Display | | LCD+LED |
| Thermal method | | Cooling fan in intelligent control |
| Communication(Optional) | | RS232/USB/APP(WIFI monitoring or GPRS monitoring) |
| Environment | Operating temperature | -10°C~40°C |
| | Storage temperature | -15°C~60°C |
| | Noise | ≤55dB |
| | Elevation | 2000m(More than derating) |
| | Humidity | 0%~95% (No condensation) |

Note: All specifications are subject to change without prior notice.