



Features

- High frequency and double conversion online technology
- Fully digitized microprocessor control
- Wide Input voltage range
- Highly Efficient up to 91%
- High input power factor 0.99
- LCD Display
- Cold Start
- IGBT both Inverter & Rectifier stage
- Advanced battery charge in UPS OFF mode
- Short circuit & overload protection
- EMI/RFI noise filter
- Smart RS232 communication with monitoring software
- Optional SNMP card slot
- High reliability digital control
- Full protection function

Application :

Server and Other Networking Equipments

Digital printers

Medical equipments

Laboratory equipments

▶ REAR PANEL





Technical Specifications :

| MODEL | HF1101L3 | HF1101B3 | HF1102L8 | HF1102B8 | HF1103L8 | HF1103B8 |
|---|---|----------|-----------------|----------|-----------------|----------|
| Capacity (VA) | 1000 | | 2000 | | 3000 | |
| INPUT | | | | | | |
| Nominal Voltage | 220 / 230 / 240VAC | | | | | |
| Operating Voltage Range | 110-300 VAC (Based on load at 50%), 160-280VAC (based om load at 100%) | | | | | |
| Operating Frequency Range | 46~54Hz±0.5Hz or 56~64Hz±0.5Hz (auto sensing) | | | | | |
| Power Factor | >0.99 | | | | | |
| OUTPUT | | | | | | |
| Output Voltage / Power Factor | 220 / 230 / 240VAC±1% / 0.9 Std. | | | | | |
| Output Frequency | Synchronized with the utility on AC mode; 50Hz/60Hz0.2% on Battery mode | | | | | |
| Harmonic distortion (THDv) | <2% (Linear load), <5% (Non Linear Load) | | | | | |
| Crest Factor | 3:1 (max) | | | | | |
| Efficiency | >91% | | | | | |
| BATTERY | | | | | | |
| DC Voltage | 36Vdc | | 96Vdc | | | |
| Battery Type & Number | 12V / 7Ahx3 | | 12V / 7Ahx8 | | 12V / 7Ahx8 | |
| Backup Time (50% load) | 12 min | | 19 min | | 16 min | |
| Backup Time (Full Load) | 5 min | | 8 min | | 5 min | |
| Charge Current (Standard unit) | 1A | | | | | |
| Charge Current (Long run unit) | 6A | | 6A | | 6A | |
| Typical recharge time | 8 hours (to 90% of full capacity) | | | | | |
| SYSTEM FEATURES | | | | | | |
| LCD Indication | 1). Input voltage / frequency, battery voltage, output voltage / frequency, load watt/VA and percent, inverter temperature. 2). Operation mode such as "online", "on batt", or "on bypass" | | | | | |
| LED Indication | 1). Green LED for normal operation 2). Yellow LED for warning condition 3). Red LED for abnormal operation 4). Amber LED for normal battery mode | | | | | |
| Overload Capability | 1). >110%, 30s turn to bypass mode; 2). >150%, 300ms turn to bypass mode | | | | | |
| Transfer Time | Between AC Mode and Battery Mode - 0 ms Between AC Mode and Bypass Mode : 4ms (typical value 2.5ms) | | | | | |
| Communication Interface | RS232; SNMP (Optional) | | | | | |
| ENVIRONMENTAL | | | | | | |
| Operating Temperature | 0 ~ 40°C | | | | | |
| Storage Temperature | -25 ~ 55°C | | | | | |
| Humidity Range | 0% ~ 95% (non-condensing) | | | | | |
| Altitude | <1500m | | | | | |
| Noise Level | <45dB | | | | | |
| PHYSICAL | | | | | | |
| Dimension W x D x H (mm) | 144 x 421 x 215 | | 191 x 478 x 339 | | 191 x 478 x 339 | |
| Packing W x D x H (mm) | 258 x 524 x 334 | | 332 x 603 x 482 | | 332 x 603 x 482 | |
| Net / Shipping Weight (kg) (Standard unit) | 14 / 16 | | 33 / 35 | | 34 / 36 | |
| Net / Shipping Weight (kg) (Long run unit) | 7.5 / 9 | | 14 / 16 | | 15 / 17 | |
| STANDARDS | | | | | | |
| Safety | IEC / EN62040-1; IEC/En60950-1 | | | | | |
| EMC | IEC/EN62040-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5; IEC61000-4-5; IEC61000-4-8 | | | | | |

Specifications are subject to change without prior notice.