

Features

- Online Double Conversion
- 0 (Zero) Transfer Time
- Wide Input Voltage Range
- Manual Maintenance Bypass
- Electronic Automatic Bypass
- Cold Start Function (Cold Start From Batteries)
- UPS Monitoring Software
- Isolation Transformer at the Output
- Advanced Power Factor Corrector
- Rectifier and Inverter with IGBT Technology
- SNMP Communication Pport

Solves the following power quality issues

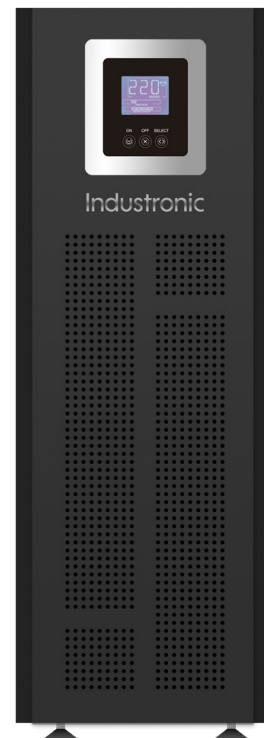
- High Voltage Surge
- Low Voltage Surge
- Sustained High Voltage
- Sustained Low Voltage
- Electric Noise
- Voltage Spikes
- Power Failure
- Frequency Variations
- Harmonic Distorsion

Applications

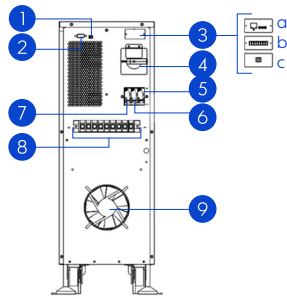
- Computer Equipment
- Medical Equipment
- Servers and network equipment
- Routers, Telecommunications, VoIP
- Telephony
- Point of Sale
- Security System
- Laboratory / Hospital Equipment
- Control Equipment

Optional

- Parallel Technology by Capacity or Redundancy
- InduStronic Power Conditioner to Protect UPS and Extend Battery Life
- InduStronic Transient Voltage Surge Suppressor
- External Battery Bank for Extended Backup Time



UPS-IND HF 1200 Specs



- 1 (EPO) Emergency Power Off
- 2 RS232 Communication port
- 3 Space for: (a. SNMP, b. RS485 & dry contacts, c. USB)
- 4 Maintenance Switch
- 5 Main breaker switch
- 6 Bypass breaker switch
- 7 Battery breaker switch
- 8 Input/Output terminals & battery
- 9 Ventilator

| Model: UPS-IND HF | 1206 | 1210 |
|---|---|----------------------|
| Input | | |
| Capacity (kVA / kW) | 6/6 | 10/10 |
| Overload Protection | Thermal magnetic input circuit breaker | |
| Voltage (Vca) | 127 L-T / 220 L-L | |
| Accepted Voltage Range | - 20%, + 25% (at 100% load) | |
| Phases | 2 phases (2 wires + ground) | |
| Frequency (Hz) | 40/70 (autodetection) | |
| Input Power Factor | 0.99 | |
| Waveform | THDi ≤5% | |
| Output | | |
| Output Power Factor | 1.0 | |
| Voltage (Vca) | 120 / 208 / 220 / 230 / 240 (adjustable) | |
| Voltage Regulation Range | ± 1% (typical) | |
| Frequency (Hz) | 50 / 60 ± 0.2% (battery mode) | |
| Wave Form | THD pure sinusoidal wave ≤ 1% (linear load), ≤ 3% (non-linear load) | |
| Transference Time (ms) | 0.0 (online) | |
| Overload | 130% nominal load for 10 min; 150% for 30 s, above 150% for 0.5 s | |
| Load unbalance capability | 100% | |
| Efficiency | 96% | |
| Isolation | Isolation transformer, new circuit (neutral) | |
| Battery bank | | |
| Voltage (Vcd) | 192 standard (192 -240 adjustable) | |
| Battery Type | 12 volts 9 Ah (lead acid, maintenance-free) | |
| Battery Backup Time (min) | 5 min. at full load, 9-18 min. at half load | |
| Maximum Load Current (A) | 1.0 – 3.0 (adjustable) | |
| Location | Internal | |
| Useful life time | 3 to 5 years at 25°C. At higher temperatures their useful life is considerably reduced. To keep the batteries healthy we recommend recharging them at least once every 3 months and to avoid damage recharge them every 6 months. | |
| Physical & Mechanical | | |
| Audible Noise (dB) | < 55, at 1 meter | |
| MTBF (h) | 233,000 | |
| Operational Temperature (°C) | 0 - 40 at full load, 50 at 90% of the load | |
| Relative Humidity | 0 - 95% without condensation | |
| Maximum Operating Altitude (mamsl) | 2,300 at 100% , 3,100 at 85% | |
| Cabinet | Electrostatic baked epoxy coated steel, NEMA type 1 | |
| Dimensions, height x width x depth (mm) | 720 x 250 x 660 | |
| UPS Weight (kg) | 104 (68 w/o battery) | 128 (88 w/o battery) |
| Technology | | |
| Conversion Type | On-line double conversion (online) | |
| Rectifier | IGBT Technology | |
| Inverter | PWM Technology with IGBT commuted at 19.2 kHz | |
| Inverter Configuration | H Bridge | |
| Inverter Type | (PWM) Pulse width modulated | |
| Battery Status | Real time Online/Discharge information with 3% precision | |
| Thermal Dissipation (kBTU/h) | 1.8 | 3 |
| Certifications | CE-IEC 62040 - 1-2-3, ISO 9001 : 2015, NOM-001-SCFI-2018, NMX-1-163-NYCE-2016 | |
| Communication Interface | RS-232 + SNMP (EPO Dry contacts, USB, optional) | |
| LCD Monochromatic Screen | LCD screen indicates UPS operating status | |
| Alarm | irregular power supply, low battery voltage & UPS malfunction | |

The specifications are subject to changes and modifications without prior notice, due to our commitment of continuous improvement of reliability, design and functionality of our products