Industronic
Energy in Evolution

UPS-IND HF 1300

Uninterruptible Power Supply
Three Phase, 80 ~ 200 kVA

2
Year
Warranty

Features

- Online Double Conversion
- Inverter with Tri Level Technology
- Power Factor 1.0
- Power Factor Correction
- Smart Ventilation Control
- High Efficiency AC/AC up to 96%
- Inverter & Rectifier with IGBT
- Maintenance Bypass
- Automatic Electronic Bypass
- Automatic Shut Off Protection on the Input
- Battery Charge Management
- Smart System Battery Monitoring
- SNMP, RS485 & MODBUS Communication Card
- Parallel Technology by Capacity N+1 & by Redundancy N+X+1
- Parallel System Battery Bank Sharing

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
- Lab Equipment
- Medical Equipment
- Data Centers
- Security Systems
- Telecomunications
- Smart Buildings
- Shopping Centers

Optional

- Industronic AMCR Power Conditioner to Protect the UPS and Extend Life Expectancy of Equipment & Batteries
- Isolation Transformer on Input/Output
- Paralleling Cabinet with Zero Interruption External Bypass

ISO 9001:2015

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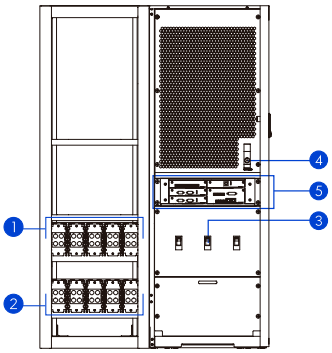
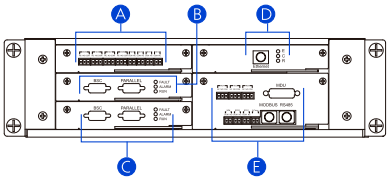
UPS-IND 1300 Specs



1. Input Terminal Block
2. Output Terminal Block
3. Bypass Breaker
4. Battery Start Button
5. Control Unit



- A Expansion Dry Contact Board (optional)
- B Control Card Minor
- C Control Card Master
- D SNMP Card
- E System Monitor Card, MODBUS y RS485

Modelo UPS -IND HF	1380	13100	13120	13160	13200	1380	13100	13120	13160	13200
Input										
Capacity (kVA / kW)	80/80	100/100	120/120	160/160	200/200	80/80	100/100	120/120	160/160	200/200
Overload Protection	120/208, 127/220					254/440, 266/460, 277/480				
Voltage (Vca)	Thermal magnetic input circuit breaker and Thermal magnetic bypass circuit breaker									
Online Voltage Range (Vca)	+/- 20% at 100% Load, +/- 25% at 75% Load, +/- 30% at 50% Load									
Phases	Three Phase Star, 3 Phases + Neutral + Ground									
Frequency(Hz)	40 - 70									
Input Power Factor	≥ 0.99									
Output										
Overload Protection	Thermal magnetic output circuit breaker									
Output Power Factor	1.0									
Voltage (Vca)	120/208, 127/220					254/440, 266/460, 277/480				
Voltage Regulation Range	± 1%									
Frequency(Hz)	50/60 ± 0.1 (Battery mode)									
Wave Form	Pure Sinosoidal Wave, THD ≤ 1% (Linear Load)									
Transfer Time (ms)	0.0, True Online									
Connection Type	Star, 3 Phases + Neutral + Ground									
Overload	105%~115% 60min; 116%~130% 10min; 131%~150% 1min; >150% 200ms									
Efficency	96%									
Load Imbalance Capacity	100%									
Battery Bank										
Voltage (Vcd)	360 - 480 Adjustable									
Battery Type	Lead Acid (Sealed & Maintenance Free) / (Optional Nickel Cadmium)									
Full load backup time (min)	5 min Standard (Extended Time available upon request)									
Maximum Load Current (A)	20	30	30	40	50	20	30	30	40	50
Battery Bank	External Bank									
Physical & Mechanical										
Audible Noise (dB)	< 65, a 1 Meter									
MTBF (h)	233,000									
Operational Temperature (°C)	0 ~ 40									
Relative Humidity	0 ~ 95% without Condensation									
Maximum Operating Altitude (mamsl)	2,400 at 100%, 3000 at 96%									
Paint Finish	Baked Electrostatic Epoxy Coated Steel									
Dimensions: height x width x depth (mm)	1600 x 950 x 900		1600 x 1450 x 900			1600 x 950 x 900			1600 x 1100 x 900	
UPS Weight (kg)	964	1086	1167	1335	1458	677	757	817	969	1077
Technology										
Conversion Type	Online Double Conversion (True Online)									
Rectifier	IGBT type with High Power Factor									
Inverter Conmutation Elements	IGBT with PWM Pulse Width Management Technology									
Filters	PFC to Reduce Harmonic Distortion (2% RMS)									
Battery Status	Real Time Online/Discharge Information with 3% Precision									
Thermal Dissipation (kBTU / h)	12	14	17	23	28	12	14	17	23	28
Internal Bypass	Two Bypass Modes: Automatic Static & Manual Bypass Switch for Maintenance									
Paralleling	Parallelable by Capacity and/or Redundancy N + 1 (up to 8 units)									
Certifications	CE-IEC 62040 -1, ISO 9001:2015, NOM									
Communication Interface	RS485 / SNMP/ Dry Contacts / MODBUS									
LCD Color Screen	Backlight: Input/Output Voltage, Load Capacity, Battery Voltage, Operation Status									
Alarm	Overload, Abnormal Input, Low Battery, Failure									
Protection	Output Short Circuit, Overload, Overheating, Battery Low Voltage, High/Low Output Voltage									

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