Industronic
Energy in Evolution

UPS-IND HF 1300

Uninterruptible Power Supply
Three Phase, 300 ~ 600 kVA

2
Year
Warranty

Features

- On-Line Double Conversion
- Inverter with Three-Level Technology
- Power Factor 1.0
- Power Factor Correction
- Intelligent Ventilation Control
- High AC/AC Efficiency up to 97%.
- Rectifier and Inverter with 5th Generation IGBTs
- Maintenance Bypass
- Automatic Electronic Bypass
- Automatic Input Protection Cut-Off
- Battery Charge Management
- Intelligent Monitoring System for Batteries
- SNMP, RS485, MODBUS Communications Card
- Paralelling Technology: by Capacity: N+1 and by Redundancy: N+X+1 (up to 8 devices)
- Battery Bank Sharing Capability for Parallel Systems

Applications

- Computer Equipment
- Laboratory Equipment
- Medical Equipment
- Data Centers
- Security Systems
- Telecommunications
- Intelligent Buildings
- Shopping Centers

Optional

- Industronic Voltage Conditioner to protect the UPS and extend the life of the batteries.
- Input and output isolation transformer
- Paralleling cabinet with external bypass without interruption

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

ISO 9001:2015

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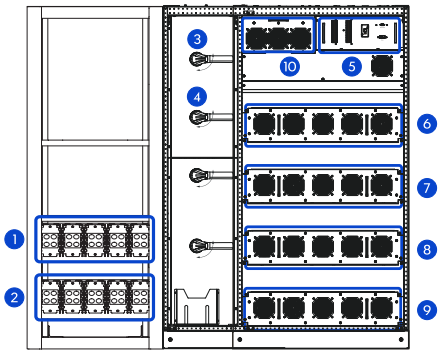
UPS-IND HF 1300 Specs



1. Mains input
2. Output to load
3. Bypass switch
4. Maintenance switch
5. Communication module
6. Battery charger module
7. Power module phase 3
8. Power module phase 2
9. Power module phase 1
10. Bypass module

Modelo UPS-IND HF	13300	13400	13500	13600	13300	13400	13500	13600
Input								
Capacity (kW/ kVA)	300/300	400/400	500/500	600/600	300/300	400/400	500/500	600/600
Voltage (Vac)	120/208, 127/220				254/440, 266/460, 277/480			
Overload Protection	Thermal magnetic input circuit breaker and Thermal magnetic bypass circuit breaker							
Voltage Range (Vac)	+/- 20% at 100% Load, +/- 25% at 75% Load, +/- 30% at 50% Load							
Phases	Three Phase Star, 3 Phases + Neutral + Ground50/60 ± 10 %≤ 2 % (at 100% Load); ≤ 4 % (at 50% Load)							
Frequency (Hz)	50/60 ± 10 %							
THDi	≤ 2 % (al 100% de Carga); ≤ 4 % (al 50% de Carga)							
Input Power Factor	≥ 0.99							
Output								
Overload Protection	Thermal magnetic output circuit breaker							
Output Power Factor	1.0							
Voltage (Vac)	120/208, 127/220				254/440, 266/460, 277/480			
Voltage Regulation Range	± 1%							
Frequency (Hz)	50/60 ± 0.1% (Battery Mode), 50/60 ± 1 ~5 (Online Mode)							
Waveform (THDv)	Pure Sinosoidal Wave, THD ≤ 1% (Linear Load); ‹ 3% (Nonlinear Load)							
Transfer Time (ms)	0.0, True Online							
Connection Type	Star, 3 Phases + Neutral + Ground							
Overload	110% 60 min; 125% 10 min; 150% 1 min							
Efficiency	97%							
Unbalance Load Capacity	100%							
Battery Bank								
Voltage (Vdc)	384 - 528 Adustable							
Battery Type	Lead Acid (Sealed & Maintenance Free) / (Optional Nickel Cadmium)							
Full Load Backup Time	5 min Standard (Extended Time available upon request)							
Maximum Charge Current (A)	25 - 100		25 - 200		25 - 100		25 - 200	
Location	External Bank							
Physical and Mechanical								
Audible Noise (dB)	< 65, a 1 Meter							
MTBF (h)	233,000							
Operating Temperature (°C)	-5 ~ 40							
Relative Humidity	0 ~ 95% without Condensation							
Maximum Operating Altitude (m.a.s.l.)	3000							
Cabinet	IP 20, Baked Electrostatic Epoxy Coated Steel							
Dimensions, Height x Width x Depth (mm)	1950 x 1800 x 1000		1950 x 2300 x 1200		1950 x 1650 x 900		1950 x 2150 x 900	
Weight (kg) (Batteries not included)	2050	2250	2800	3100	1650	1750	2200	2300
Technology								
Conversion Type	Online Double Conversion (True Online)							
Rectifier	IGBT type with High Power Factor							
Inverter Switching Elements	IGBT with PWM Pulse Width Management Technology							
Filters	Power Factor Correction to Reduce Harmonic Distortion (2% RMS)							
Battery Status	Real Time Online / Discharge Information with 3% Precision							
Heat Dissipation (kBTU / h)	31.7	42.3	52.9	63.5	31.7	42.3	52.9	63.5
Internal Bypass	Two Bypass Modes: Automatic Static and 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							
Display (Color LCD)	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

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