Industronic
Energy in Evolution

UPS-IND 1300

Uninterruptible Power Supply
Three Phase, 50 ~ 60 kVA

2
Year
Warranty

Features

- Online Double Conversion
- High Reliability and Performance DSP Control
- Power Factor Correction
- Cold Start Function (Cold Start From Batteries)
- Battery Charging Management
- Intelligent Ventilation Control
- ECO-IND Mode
- Inverter with IGBT Technology
- Manual Maintenance Bypass
- Electronic Automatic Bypass
- Automatic Protection Cut-off at the Entrance
- Isolation Transformer at the Output
- SNMP communication port
- Intelligent Battery Monitoring System

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

- Sites / Computer Rooms
- Hospitals
- Security Systems
- Machinery
- Robotics
- Buildings
- Shopping Centers
- Penitentiaries

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

ISO 9001:2015

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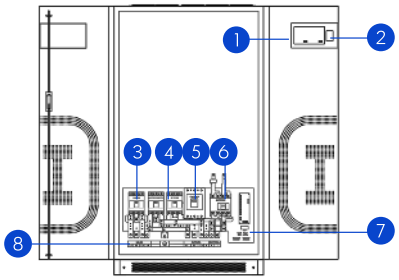
UPS-IND 1300 Specs



1. LCD Touchscreen
2. Emergency stop button
3. Output switch
4. Maintenance bypass switch
5. Input switch
6. Battery switch
7. SNMP or MODBUS port
8. Input and output connections

Model: UPS-IND	1366	1370
Input		
Capacity (kVA / kW)	50	60
Overvoltage Protection	Thermal magnetic input circuit breaker & bypass	
Voltage (Vca)	120 / 208, 127 / 220, 220 / 380, 254 / 440 or 277 / 480	
Accepted Voltage Range	± 20% at 100% of the load, ± 25% at 75% and ± 30% at 50%	
Phases	Star: 3 phase star (4 wires + ground) / Delta: (optional) 3 phases (3 wires + ground)	
Frequency (Hz)	60 ± 10 % (optional 50 ± 10 %)	
Input Power Factor	0.90 empty, > 0.95 at full load	
Output		
Overload Protection	Thermal magnetic output circuit breaker	
Output Power Factor	0.9	
Voltage (Vca)	120 / 208, 127 / 220, 220 / 380, 254 / 440 or 277 / 480	
Voltage Regulation Range	± 1% (typical)	
Frequency (Hz)	60 ± 0.2% (optional 50 ± 0.2%)	
Wave Form	Pure THD sinusoidal wave ≤ 1% (linear load), ≤ 3% (non linear load)	
Transfer Time (ms)	0.0 (online)	
Connection Type	Star (3 phase, 4 wires + ground)	
Overload	125% of nominal load for 10 min; 150% for 1 min	
Battery Bank		
Voltage (Vcd)	348	
Battery Type	Lead acid (sealed & maintenance free) / (optional: nickel cadmium)	
Battery Back up Time at Full Load (Min)	5	
Maximum Load Current (A)	40	
Battery Bank Location	External	
Dimensions, height x depth x width (mm)	660 x 820 x 1600	
Weight w/o batteries (kg)	419	656
Physical & Mechanical		
Audible Noise (dB)	< 65, a 1 meter	
MTBF (h)	233,000	
Operational Temperature (°C)	0 ~ 40	
Relative Humidity	0 ~ 95% w/o condensation	
Maximum Operating Altitude (mamsl)	2,000 at 100% / 3,000 at 96%	
Cabinet	Electrostatic baked epoxy coated steel	
Dimensions: height x width x depth (mm)	1600 x 800 x 800	
UPS weight (kg)	620	670
Technology		
Conversion Type	Doble conversion on line	
Rectifier	Full wave SCR generates 6 pulses & phase control	
Inverter Conmutation Elements	PWM Pulse width modulation w/ IGBT conmuted at 9000 Hz	
Filters	Anti harmonics (2% RMS distortion)	
Isolation Transformer	Dry transformer included on the output	
Battery Status	Real time Online/Discharge information with 3% precision	
Thermal Dissipation (kBTU/h)	15.2	18.2
Internal Bypass	Two: electronic (automatic) bypass, and manual bypass switch for maintenance/repair	
Paralleling	(Capacity or redundancy) N+1 up to 4 units	
Certifications	CE-IEC 62040 -1, ISO 9001:2015, NOM	
Communication Interface	RS485, dry contact relay signal, SNMP network card (included) or ethernet MODBUS w/ 1 port per unit & 2 ports in parallel	
LCD Monochromatic Screen	Backlight: Input/Output voltage, load capacity, battery voltage, operating status	
Alarm	Overload, abnormal alternate current on the input, low battery	
Protection	Low battery, overheating, short circuit, over voltage & low battery voltage on the output	

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