

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

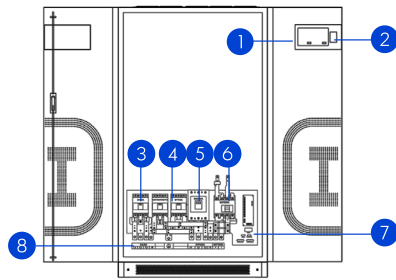
- Sites / Computer Rooms
- Hospitals
- Security Systems
- Machinery
- Robotics
- Buildings
- Shopping Centers
- Penitentiaries

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



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	1376	1378	13120	1376	1378	13120	1376	1378	13120
Input									
Capacity (kVA / kW)	80 / 72	100 / 90	120 / 108	80 / 72	100 / 90	120 / 108	80 / 72	100 / 90	120 / 108
Overload Protection	127 / 220			254 / 440, 266 / 460, 277 / 480			220 / 380, 230 / 400		
Voltage (Vca)	Thermal magnetic input circuit breaker & bypass								
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)	127 / 220			254 / 440, 266 / 460, 277 / 480			220 / 380, 230 / 400		
Voltage Regulation Range	± 1%								
Frequency (Hz)	60 ± 0.2% (opcional 50 ± 0.2%)								
Wave Form	Pure sinusoidal wave THD ≤ 1% (linear load), ≤ 3% (non-linear load)								
Transference Time (ms)	0.0 (online)								
Connection Type	Star (3 phases, 4 wires + ground)								
Overload	130% of nominal load for 1 min; 150% for 10 s								
Battery bank									
Voltage (Vcd)	348 (384)								
Battery Type	Lead acid (sealed and maintenance free) / (optiona: nickel cadmium)								
Battery Backup Time at Full Load (min)	5								
Maximum Load Current (A)	40								
Battery Bank Location	External								
Physical & Mechanical									
Audible Noise (dB)	< 65, a 1 meter								
MTBF (h)	233,000								
Operation Temperature (°C)	0 - 40								
Relative Humidity	0 - 95% no condensation								
Maximum Operating Altitude (mamsl)	2,000 at 100% / 3,000 at 96%								
Cabinet	Steel with electrostatic baked epoxy paint								
Dimensions, height x width x depth (mm)	1850 x 1400 x 1000			1600 x 1200 x 800					
UPS Weight (kg)	970	1000	1280	890	980	1150	520	600	650
Technology									
Conversion Type	On-Line double conversion								
Rectifier	6 pulse SCR type with phase control								
Inverter Conmutation Elements	PWM Technology modulated by pulse width w/ 9000 Hz switch								
Filters	Harmonic filter (2% RMS distortion)								
Isolation Transformer	Dry transformer on the output								
Battery Status	Online/Offline real time data w/ 3% precision								
Thermal dissipation (kBTU/h)	21.350	26.60	32.00	21.350	26.60	32.00	21.35	26.60	32.00
Internal Bypass	Two: electronic (automatic) bypass, and manual bypass switch for maintenance/repair								
Paralleling	n+1 up to 4 units								
Certifications	CE-IEC 62040 -1, ISO 9001:2015								
Communication Interface	RS485, dry contact relay signal, SNMP network card included or ethernet MODBUS w/ one port per unit and two on parallel								
LCD Monochromatic Screen	With backlight: input/output voltage, load capacity, battery voltage, operationstatus								
Alarm	Overload, abnormal alternate current input, low battery								
Protection	Low battery, overheating, short circuit, over/low voltage on the output								

*Contact your authorized Industronic sales executive for different input and/or output voltages

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