

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

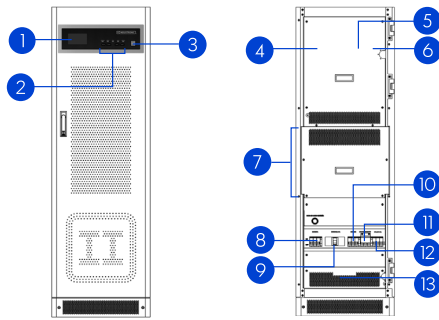
- Sites / Computer Rooms
- Data Centers
- Medical Equipment
- Instrumentation Equipment
- Machinery
- Robotics
- Buildings
- Shopping Centers
- Offices

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 Display
- 2 Control Panel
- 3 Emergency Power Off
- 4 RS485 Port
- 5 Dry contact relay
- 6 SNMP Network card
- 7 Batteries
- 8 Battery switch
- 9 Input switch
- 10 Bypass switch
- 11 Maintenance bypass switch
- 12 Output switch
- 13 Input/Output Connections

Model: UPS-IND	1346	1350	1353	1358
Input				
Capacity (kVA / kW)	10 / 9	15 / 13.5	20 / 18	30 / 27
Overload Protection	Thermal magnetic input circuit breaker & bypass			
Voltage (Vca)	127 / 220 or 120 / 208			
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 or 120 / 208			
Voltage Regulation Range	± 1%, típico			
Frequency (Hz)	60 ± 0.2% (opcional 50 ± 0.2%)			
Wave Form	THD pure sinusoidal wave ≤ 1% (linear load), ≤ 3% (non linear load)			
Transference Time (ms)	0.0 (online)			
Connection Type	Star (3 phases, 4 wires + ground)			
Overload	125% of nominal load for 10 min; 150% for 60 s			
Battery Bank				
Voltage (Vcd)	192			
Battery Type	Lead acid (sealed, maintenance free)/ (optional: nickel cadmium)			
Battery Backup Time At Full Load (min)	5 - 25	5 -16	5 -10	5
Maximum Load Current (A)	22	33	44	67
Battery Bank Location	Internal			External
Physical & Mechanical				
Audible Noise (dB)	< 65, to 1 meter			
MTBF (h)	233,000			
Operation Temperature (°C)	0-40			
Relative Humidity	0 - 95% without 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 500 x 800			
Weight (kg)	340 / 532	350 / 542	360 / 552	380 / 572
Technology				
Conversion Type	On line double conversion			
Rectifier	SCR type w/ 6 pulses and phase control			
Inverter Conmutation Elements	PWM pulse width modulated w/ IGBT conmutated at 9000 Hz			
Filters	Anti harmonics (2% RMS distortion)			
Isolation Transformer	Dry transformer included on the output			
Battery Status	Real time Online/Discharge information w/ 3% precision			
Thermal Dissipation (kBTU/h)	2.6	4	5.3	8
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, NOM			
Communication Interface	RS485, dry contact relay signal, SNMP network card (included) or MODBUS ethernet w/ one port per unit and two 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, overvoltage on the output, low 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