Industronic
Energy in Evolution

UPS-IND 1300

Uninterruptible Power Supply
Three Phase, 10 ~ 30 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
- 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

ISO 9001:2015 TÜV NOM-NYCE

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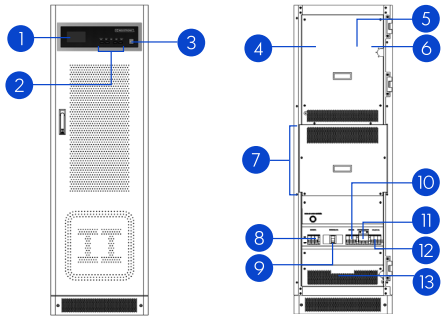
UPS-IND 1300 Specs



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	1350	1353	1358
Input			
Capacity (kVA / kW)	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 o 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 -16	5 -10	5
Maximum load current (A)	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)	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)	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