

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

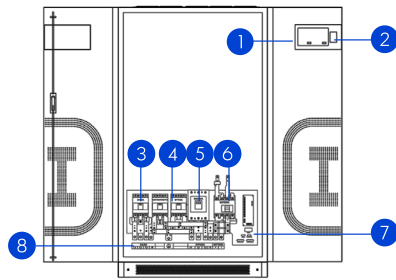
- Sites / Computer Rooms
- Hospitals
- Security Systems
- Machinery
- Robotics
- Buildings
- Shopping Centers
- Penitentiaries

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	13200	13250	13200	13250	13200	13250
Input						
Capacity (kVA / kW)	200 / 180	250 / 225	200 / 180	250 / 225	200 / 180	250 / 225
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% (optional 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					
UPS Weight (kg)	1700	1830	1640	1780	1280	1568
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)	53.37	66.70	53.37	66.70	53.37	66.70
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