

Features

- Online Double Conversion
- High Reliability and Performance DSP Control
- Power Factor Correction
- Cold Start Function (Cold Start From Batteries)
- Battery Charging Management and Monitoring
- SNMP or MODBUS Communication Port
- LCD Touchscreen
- Inverter with IGBT Technology
- Isolation Transformer at the Input and Output
- Manual Maintenance Bypass
- Electronic Automatic Bypass
- Automatic Protection Cut-off at the Entrance
- 6 or 12 Pulse SCR Type Rectifier
- More than 20 Years of Useful Life

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

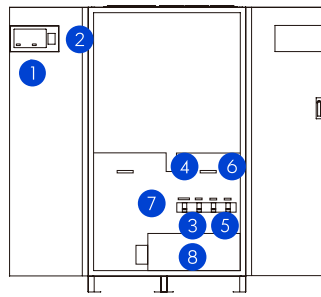
- Distributed Control
- Instrumentation Equipment
- Machinery
- Robotics
- Heavy Industry
- Hospitals
- Emergency Stop System
- Laboratory Analysis and Control Equipment
- Main Lighting
- Water Pumps
- Urban Electric Train Station
- Marine Platforms

Optional

- Technology for Capacity or Redundancy Matching
- Industronic Power Conditioner to Protect UPS and Extend Battery Life
- Industronic Transient Voltage Surge Suppressor



UPS-IND 1300 Industrial Datasheet



- 1 LCD Touchscreen
- 2 Emergency shutoff button
- 3 Output switch
- 4 Maintenance bypass switch
- 5 Input switch
- 6 Battery switch
- 7 SNMP network card or MODBUS
- 8 Input/Output connections

Model: UPS-IND 1300 Industrial	1330	1346	1350	1353	1357	1358	1362	1366
Input								
Capacity (kVA/kW)	5 / 4.5	10 / 9	15 / 13.5	20 / 18	25 / 22.5	30 / 27	40 / 36	50/45
Overload Protection	Thermal magnetic input circuit breaker & bypass							
Voltage (Vca), Range	120 / 208, 127 / 220, 220 / 380, 254 / 440, 277 / 480, ± 20%							
Connection	Three phase star (4 wires + ground) /delta (optional), Three phase (3 wires + ground)							
Frequency (Hz)	60 ± 10 % (optional 50 ± 10 %)							
Input Power Factor	0.99							
Output								
Overload Protection	Thermal magnetic output circuit breaker							
Output Power Factor	0.9							
Voltage (Vca), Regulation Range	120, 127, 220 1 Phase (LNT) or 120 / 208, 127 / 220, 220 / 380, 254 / 440, 277 / 480, 3 Phases (LLLNT); ± 1%, typical							
Frequency (Hz)	60 ± 0.2% (optional 50 ± 0.2%)							
Wave Form	THD Pure sinusoidal wave ≤ 1% (linear load), ≤ 3% (non linear load)							
Transfer Time (ms)	0.0 (online)							
Crest Factor	3 : 1							
Connection Type	Single phase or three phase star							
Overload	125% of nominal load for 10 min; 150% for 1 min.							
Battery bank								
Voltage (Vcd)	192							
Battery Type	Nickel cadmium or lead acid (open /sealed and maintenance free)							
Battery Backup at Full Load (min)	5							
Maximum Current Load (A)	1-120							
Battery Bank	Open soldered structural steel shelving for indoor installation (vertical or horizontal mount)							
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, for indoor installation with blind facing, IP21 autosupport (non modular), color: black, PEMEX standard color available							
Dimensions, height x width x depth (mm)	1700 x 800 x 800 (three phase) 1800 x 800 x 800 (single phase)						1700 x 800 x 800 (three phase) 1800 x 1000 x 800 (single phase)	
UPS Weight (kg)	510	520	560	580	600	610	690	770
Technology								
Coverion Type	On line double conversion, microprocessor controlled							
Rectifier	SCR type with 6 or 12 pulse & phase control							
Filters	Anti harmonics (2% RMS distortion)							
Isolation Transformer	Dry transformer included on the input and output (K -13 factor)							
Inverter Conmutation Elements	Static, PWM technology with IGBT transistors conmutated at 9000 Hz							
Battery Status	Real time online/discharge data with 3% precision							
Thermal Dissipation (kBTU/h)	1.5	3.0	4.6	6.1	7.6	9.1	12.1	15.1
Bypass	Two: electronic (automatic) bypass, and manual bypass switch for maintenance/repair							
Paralleling	n + 1 up to 4 units							
Certifications	CE-IEC 62040-1, CE-IEC 62040-2, ISO 9001: 2008							
Communication Interface	RS232, RS485, dry contact relay signal, SNMP network card & MODBUS TCP/IP, parallel communication port							
LCD Touchscreen	Backlight: input/output voltage, load capacity, battery voltage, operating status, mimic panel							
Dry Contacts	Inverter in operation, rectifier/inverter/swich static, normal operation, low battery, vent failure, rectifier power supply failure							
Alarm	Output overload, abnormal alternate current input, low battery, rectifier/charger failure, inverter failure, loss of power source, battery in operation, ground failure, alteranate line transference, overheating							
Protection	Thermal magnetic input circuit breaker and battery bank							

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