

Features

- Online Double Conversion
- Inverter with Tri Level Technology
- Power Factor 1.0
- Power Factor Correction
- Smart Ventilation Control
- High Efficiency AC/AC up to 97%
- Inverter & Rectifier with IGBT
- Maintenance Bypass
- Automatic Electronic Bypass
- Automatic Shut Off Protection on the Input
- Battery Charge Management
- Smart System Battery Monitoring
- SNMP, RS485 & MODBUS Communication Card
- Parallel Technology by Capacity N+1 & by Redundancy N+X+1 (up to 8 UPS)
- Parallel System Battery Bank Sharing

Optional

- Industronic AMCR power conditioner to protect the UPS and extend life expectancy of equipment & batteries
- Isolation Transformer on input/output
- Paralleling cabinet with zero interruption external bypass

Applications

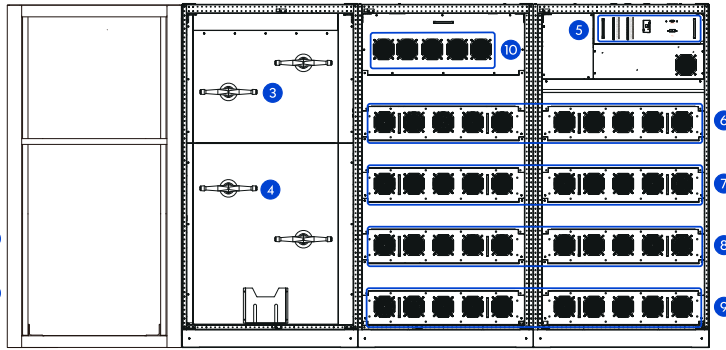
- Computer Equipment
- Lab Equipment
- Medical Equipment
- Data Centers
- Security Systems
- Telecommunications
- Smart Buildings
- Shopping Centers

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



Technical Specs



- 1 Input
- 2 Output
- 3 Bypass switch
- 4 Maintenance switch
- 5 Communication Module
- 6 Battery charger module
- 7 Power module (phase 3)
- 8 Power module (phase 2)
- 9 Power module (phase 1)
- 10 Bypass module

Model UPS -IND HF	13800	131000	131200	13800	131000	131200
Input						
Capacity (kVA / kW)	800/800	1000/1000	1200/1200	800/800	1000/1000	1200/1200
Overload Protection	120/208, 127/220			254/440, 266/460, 277/480		
Voltage (Vca)	Thermal magnetic input circuit breaker and Thermal magnetic bypass circuit breaker					
Online Voltage Range (Vca)	± 20% at 100% Load, ± 25% at 75% Load, ± 30% at 50% Load					
Phases	Three Phase Star, 3 Phases + Neutral + Ground					
Frequency(Hz)	50/60 ± 10 %					
THDi	≤ 2% (at 100% of Load); ≤ 4% (at 50% of Load)					
Input Power Factor	≥ 0.99					
Output						
Overload Protection	Thermal magnetic output circuit breaker					
Output Power Factor	1.0					
Voltage (Vca)	120/208, 127/220			254/440, 266/460, 277/480		
Voltage Regulation Range	± 1%					
Frequency(Hz)	50/60 ± 0.1 (Battery Mode), 50/60 ± 1~5 (Online Mode)					
Wave Form (THDv)	Pure sine wave, THD < 1% (Linear load); < 3% (Nonlinear load)					
Transfer Time (ms)	0.0, True Online					
Connection Type	Three Phase Star, 3 Phases + Neutral + Ground					
Overload	110% 60 min; 125% 10 min; 150% 1 min					
Efficiency	97%					
Load Imbalance Capacity	100%					
Battery Bank						
Voltage (Vcd)	384 - 528 Adjustable					
Battery Type	Lead Acid (Sealed & Maintenance Free) / (Optional Nickel Cadmium)					
Full load backup time (min)	5 min standard (Extended time available upon request)					
Maximum Load Current (A)	25 - 200					
Battery Bank	External Bank					
Physical & Mechanical						
Audible Noise (dB)	< 65, at 1 Meter					
MTBF (h)	233,000					
Operational Temperature (°C)	-5 ~ 40					
Relative Humidity	0 ~ 95% without condensation					
Maximum Operating Altitude (mamsl)	3000					
Finish	IP 20 / Baked Electrostatic Epoxy Coated Steel					
Dimensions: height x width x depth (mm)	1950 x 2900 x 900	1950 x 4000 x 900	1950 x 4200 x 900	1950 x 2900 x 900	1950 x 4000 x 900	1950 x 4200 x 900
UPS Weight (kg)	3400	4900	5300	2500	3800	3900
Technology						
Conversion Type	Online Double Conversion (True Online)					
Rectifier	IGBT type with High Power Factor					
Inverter Conmutation Elements	IGBT with PWM Pulse Width Management Technology					
Filters	PFC to Reduce Harmonic Distortion (2% RMS)					
Battery Status	Real Time Online/Discharge Information with 3% Precision					
Thermal Dissipation (kBTU / h)	84.4	105.5	126.6	84.4	105.5	126.6
Internal Bypass	Two Bypass Modes: Automatic Static & Manual Bypass Switch for Maintenance					
Paralleling	Parallelable by Capacity and/or Redundancy N + 1 (up to 8 units)					
Certifications	CE-IEC 62040 -1, ISO 9001:2015, NOM					
Communication Interface	RS485 / SNMP/ Dry Contacts / MODBUS					
LCD Color Screen	Backlight: Input/Output Voltage, Load Capacity, Battery Voltage, Operation Status					
Alarm	Overload, Abnormal Input, Low Battery, Failure					
Protection	Output Short Circuit, Overload, Overheating, Battery Low Voltage, High/Low Output Voltage					

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