



# Zonda Series

## Online Double Conversion Technology

15 & 20 KVA - three phase output



SOHO



DATA CENTRE



E-MEDICAL



INDUSTRY



TRANSPORT



EMERGENCY



## Your perfect high level of protection specifically for computer equipment, with less batteries to reduce its installation area and installation fee

This Online Series is a Uninterruptible Power Supply (UPS) incorporating double-conversion technology. It provides perfect protection specifically for computer equipment, Communication Systems to computerized instruments. Its true online double-conversion design eliminates all mains power disturbances.

A rectifier converts the alternating current from the utility power to direct current. This direct current charges the batteries and powers the inverter. On the basis of this DC voltage, the inverter generates a pure sinusoidal AC voltage, which is constantly powering the loads. Computers and Peripherals are thus powered entirely by the UPS. In the event of power failure, the maintenance-free batteries power the inverter.

All IPOWER of the IP COMPACT series are designed to adapt an isolating transformer for better and higher level of protection, both "IN" and "OUT".



ONLINE DOUBLE CONVERSION TECHNOLOGY



3:1 TRI-MONO



COLD START



RS 232 plug



INPUT PLUG C14



LIGHTNING PROTECTION



LCD SCREEN



REMOTE CONTROL SOFTWARE

### Standards

- Standards (EMC Emissions): IEC/EN62040-2
- Safety conformance: IEC/EN62040-1
- Agency marking: CE

# Your perfect protection specifically for computer equipment, communication systems to computerized instruments



## 1 High frequency online double conversion technology



The UPS provides the most flexible and reliable solution ideal for small network devices, servers, point-of-sale, work station clusters and light-industrial installations.

Its true online double-conversion design eliminates all mains power disturbances.

## 2 Over/Under Voltage protection



The UPS Zonda consists of a voltage protection circuit which is designed to adapt an isolating transformer for better and higher level of protection, both "IN" and "OUT".

## 3 Compatibility with generators



Zonda series support input power with various generators.

## 4 UPS monitoring & Automatic shutdown software



The software is compatible with Novell Netware, Windows 2000/XP/Vista/7, Windows server 2003/2008/2012, Linux, FreeBSD and Mac.

Support SEC Protocol & USB Interface.

## 5 Intelligent port slots (optional)



The use of the SNMP agent, USB and AS 400 makes it easier in management features such as:

- Setting up and programming extinctions etc..

## 6 Battery Configuration



The type of battery/ies that can be used is 12V7Ah and 12V9Ah.

## 7 Intelligent Charging Method



The series UPS adopts advanced three-stage charging method:

**1<sup>st</sup> stage:** High current constant current charging to guarantee to charge back to 90%.

**2<sup>nd</sup> stage:** Constant Voltage in order to vitalize battery and make sure batteries are fully charged.

**3<sup>rd</sup> stage:** Floating mode, with this 3-stage charging method, it extends the life of the batteries and guarantees fast charging.

## 8 Emergency Power Off (EPO)



The Emergency Power Off (EPO) button, also called an EPO switch or EPO panel, is a safety measure for quickly disconnecting electrical power to a particular piece of equipment, or to an entire facility, in the event of an emergency.







## 9 LED indicators









- AC normal (Green)
- Battery backup (Yellow)
- UPS cut off/Fault (Red)

# Zonda 15 KVA



- ① Power ON/OFF button 
- ② LCD screen 
- ③ Escape button 
- ④ Enter button 
- ⑤ Air vents 
- ⑥ Intelligent port slot 








- ⑦ Emergency power off (EPO) 
- ⑧ COM 
- ⑨ Parallel port 
- ⑩ USB port 
- ⑪ Breaker switch 
- ⑫ Maintenance switch 

# Specifications

DESCRIPTION	ZONDA 15 KVA (T/M)	ZONDA 20 KVA (T/M)
Capacity	12000(W) POOIP1802	16000(W) POOIP1801
<b>INPUT</b>		
Input voltage	208-478Vac	
Frequency	50/60HZ ± 8 % Auto detect)	
Phase	Three Phase + Neutral + Ground	
Power Factor	>=0.99	
Generator Input	Support	
<b>OUTPUT</b>		
Output voltage	220Vac/230Vac/ 240Vac	
Frequency (Linear mode)	45-55Hz ±0.02Hz@ 50Hz; 54-66Hz ±0.02Hz@60Hz	
Frequency (Battery mode)	50/60Hz±0.02Hz	
Power factor	0.8, 0.9 (optional)	
Crest factor	3:1	
Dynamic instant Distortion	<=2% THD(Linear Load)	
Harmonic Distortion	<=5% THD(Non-Linear Load)	
Output Waveform	Pure Sinewave	
<b>SYSTEM FEATURES</b>		
Overload (Linear mode)	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% shut down UPS immediately	
Overload (Battery mode)	Load≤110%: last 10min, ≤125%: last 1min, ≤150%: last 5s , ≥150% shut down UPS immediately	
Transfer time	0ms (line to battery)	
	0ms (Inverter to bypass)	
<b>EFFICIENCY</b>		
AC mode	91%	
Battery mode	88%	
<b>BATTERY</b>		
Battery type	12V9Ah	
Numbers	16/18/20	
Protect	cut off voltage can be set(1.75-1.80/cell); boost voltage can be set(2.3-2.35V/cell)	
Charging voltage	voltage(VDC)±108/121.5/135 can be set from 2.2V to 2.29V per cell, float voltage 2.25V/cell default	
<b>INDICATORS</b>		
LCD + LED	Load/Battery/Input/Output/Operating Mode Information	
<b>ALARMS</b>		
Battery mode	Beep every 2 seconds	
Low battery	Beep every second	
Overload	Beep every second	
Bypass	Beep every 2 minutes	
Fault	Beep continuously	
<b>ENVIRONMENT</b>		
Operating Temp.	0-40°C	
Relative Humidity	0-90%(non-condensing)	
Altitude	<1500m. when >1500m, derating	
Noise level	<55dB@ 1Meter	
Smart RS-232/ USB(Preferential)	External Modbus/SNMP card supported by RS232, Software supports Windows Family, Linus	
Intelligent Slot	SNMP (standard or mini), Modbus card, Relay card	
<b>PHYSICAL</b>		
Dimensions (D x W x H) mm	502*250*616	
Nte Weight (Kg)	45	45



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- Uninterruptible Power Supply (UPS)
- Automatic Voltage Regulator (AVR)
- Isolating Transformers Maintenance free
- 12VDC VRLA batteries manufacturer
- Distributor, installer & service provider

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