

# UPO33-HFAX 20 kVA

Online, double conversion UPS with IGBT technology



## Features

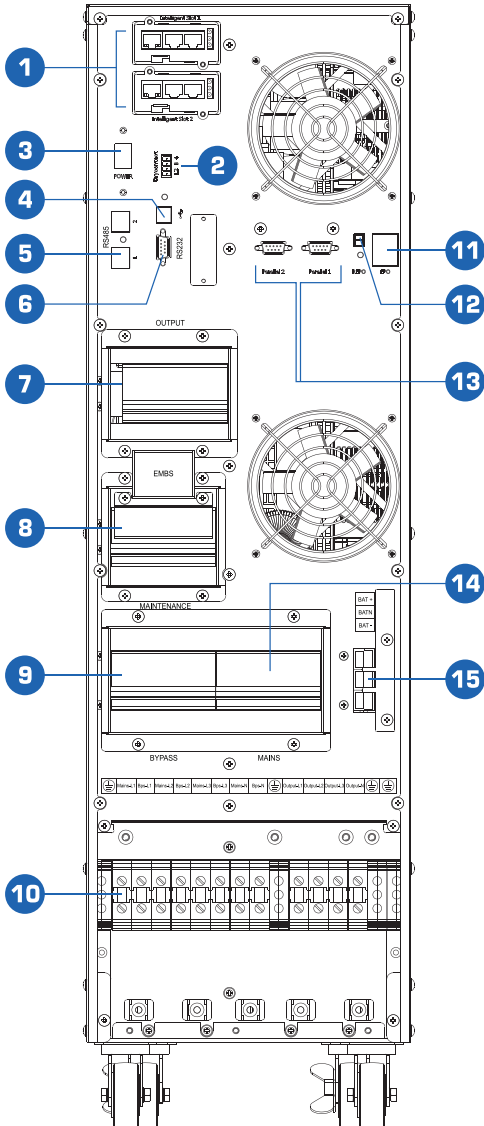
- 7" color monitor supports up to 9 languages
- Parallel redundancy up to 4 units
- Wide input voltage and frequency
- Unity power factor and low input distortion
- Power factor 1.0
- ECO mode for energy saving.
- Programmable battery voltage from  $\pm 96\text{Vdc}$  to  $\pm 144\text{Vdc}$ .
- Built-in batteries makes UPS ready to use.
- Highest efficiency up to 94%
- 3-level Intelligent charge modes with smart.
- Charge current adjustment.
- Powerful charger up to 20A.
- Versatile communication interfaces provided for different applications.
- Superior overload capability
- Programmable control and monitoring
- Software via RS232 port.
- Emergency Power Off.
- DC Start.
- DSP processor.
- Static and manual bypass.

The Online UPS UPO33-HF AX series with parallel redundancy in line, and the smallest cabinet, with built-in batteries. It is an ideal solution for the budget of your server, banks, industrial equipment, internet data center, telecommunications, IT equipment and other mission critical applications.



# UPO33-HFAX

## 20kVA



### Rear View

- |                                                  |                                             |                                 |
|--------------------------------------------------|---------------------------------------------|---------------------------------|
| (1) Intelligent Slot 1-2 (SNMP card/ Relay card) | (6) RS232                                   | (11) EPO switch                 |
| (2) Dry contact port                             | (7) O/P Switch                              | (12) REPO port                  |
| (3) Power Switch                                 | (8) Maintenance switch & its cover          | (13) Parallel port 1/2          |
| (4) USB port                                     | (9) Bypass Switch                           | (14) I/P Switch                 |
| (5) RS485 port                                   | (10) Terminal block for Input, output & GND | (15) Terminal block for battery |

| Model                 | UPO33-20HFAX                                                                                                                                                                        |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Capacity</b>       | 20kVA /20kW                                                                                                                                                                         |
| Input                 |                                                                                                                                                                                     |
| Voltage range         | 125 / 260 VAC                                                                                                                                                                       |
| Frequency range       | 40 - 70 Hz                                                                                                                                                                          |
| Power factor          | 0,99                                                                                                                                                                                |
| Output                |                                                                                                                                                                                     |
| Output voltage        | 208/120V or 220/127V                                                                                                                                                                |
| AC voltage regulation | +/-1%                                                                                                                                                                               |
| Frequency range       | 50/60 Hz +/-0.1 Hz (Battery mode)                                                                                                                                                   |
| Crest factor          | 3:1 max                                                                                                                                                                             |
| Overload              | 110% 60 min / 125% 10 min / 150%: 1 min                                                                                                                                             |
| Harmonic distortion   | </= 1% THD (linear load)                                                                                                                                                            |
| Transfer time         | 0 ms                                                                                                                                                                                |
| Wave mode             | Pure sinewave                                                                                                                                                                       |
| Power factor          | 1                                                                                                                                                                                   |
| <b>Efficiency</b>     |                                                                                                                                                                                     |
| Mode AC               | Up to 94%                                                                                                                                                                           |
| Battery               |                                                                                                                                                                                     |
| Type/Quantity         | 12V/9Ah 3x20 pcs                                                                                                                                                                    |
| Recharge time         | 4 Hrs to 90%                                                                                                                                                                        |
| Charge current        | 4A                                                                                                                                                                                  |
| Load Voltage          | 270Vcd                                                                                                                                                                              |
| Standby time          | 100% 8 min                                                                                                                                                                          |
| <b>Physical</b>       |                                                                                                                                                                                     |
| Dimensions (mm)       | 250 long x 868 high x 900 deep                                                                                                                                                      |
| Net weight (Kg)       | 239                                                                                                                                                                                 |
| Environment           |                                                                                                                                                                                     |
| Humidity              | 0 ~ 95% RH @ 0-40°C (non condensation)                                                                                                                                              |
| Noise level           | Less than 58dBA @ 1 meter                                                                                                                                                           |
| <b>Control</b>        |                                                                                                                                                                                     |
| Communication         | USB, Modbus RS485, Parallel port, Coupler dry contact, Battery temperature sensor, Intelligent slot for optional SNMP card, Relay card                                              |
| Conformance           | NOM, ISO9001, ISO14001, CIDET, CE, UL1778, FCC<br>IEC/EN 62040-1, IEC/EN62040-2, IEC/EN 60950-1, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8 |

Specifications are subject to change without notice

Committed to safety and quality in our equipment

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