
Product brochure

# Cyberex® 2400 UPS

## Uninterruptible power supply system
## Retail and light industrial applications
## 18kVA/14.4kW  24kVA/19.2kW

Power and productivity
for a better world™

# Cyberex 2400 UPS

The Cyberex 2400 provides quality power in the event of power loss by utilizing fault tolerant electronics with redundant control functions and advanced communication capabilities. The 2400 has standard features including ethernet, secured web server, modbus communications, advanced battery management capabilities and remote system monitoring. The 2400 is designed with high reliability component, redundancy in critical components, self-checking software & no single point of failure that jeopardizes the critical load. In addition, the 2400 is a unique product with split phase design rated at 208 volts power and 240/120 volt output configurations. Ideal for retail, commercial, small enterprise applications and other critical facility requirements, the 2400 is a solution to changing electrical demands.

## Features

– On-line double conversion topology
– IGBT base PWM inverter
– High quality split or single phase output
– Active front end THD: <5%
– Transformerless design for higher efficiency
– Global bypass switch for complete system Isolation
– Advanced remote system monitoring via building management or webserver
– Advanced battery monitoring system
– Enhanced battery reliability
– Integral network interface
– Modbus & ethernet communication ports
– Hot swappable UPS modules
– Protected 120 outlet to power WiFi or service needs
– Internal VRLA batteries: 12 minute run time at half load
– Dual redundant internal control power supplies
– Advanced airflow design to improve system operation and reliability
– Higher meantime between failure (MTBF)
– Low cost of ownership

**Swappable modules**

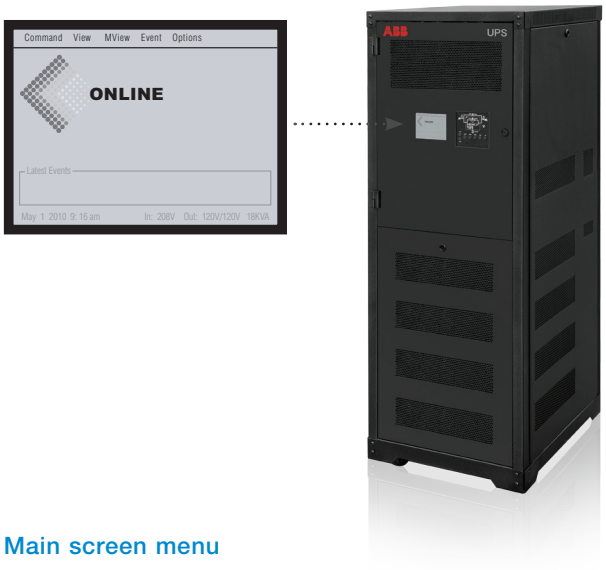
**Advanced airflow design**

**Advanced battery system**

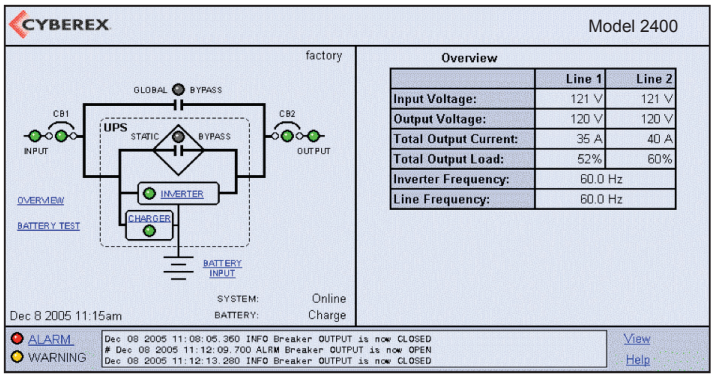
# Product specifications

| | |
|---|---|
| **AC input** | |
| Voltage | 208VAC, 3-wire + G |
| Voltage range | ± 10% from nominal |
| Phase | 2-phase, 3-wire + G |
| Power factor | > 0.98 at nominal load |
| Surge withstand | Meets IEEE 587/ANSI C62.41 |
| Frequency | 60Hz standard; 50Hz optional |
| **Environmental** | |
| Operating temperature | 32°–104°F (0°–40°C) |
| Storage temperature | 32°–140°F (0°–60°C) (without batteries) |
| Relative humidity | 5 – 95% non-condensing |
| Operating altitude | up to 6000 ft above sea level |
| Noise level | < 70dBA at 6 ft |
| Access | Front + rear, front + side |
| Standard paint | Cyberex black |
| **AC output** | |
| Maximum load capacity | 2 modules – 8kW/8.6kVA/0.9 PF on each of line 1 & 2<br>3 modules – 9.6kW/12kVA/0.8 PF on each of line 1 & 2 |
| Voltage | 120VAC line 1 to neutral,<br>120VAC line 2 to neutral |
| Current (nominal) | 72A (18kVA, 2-module)<br>100A (24kVA, 3-module)<br>continuous on each of Line 1 & Line 2 |
| Load regulation | ± 2% for 0 – 100% load |
| Voltage distortion THD | < 2% with linear load,<br>< 5% with non-linear load |
| Power factor | Unity to 0.7 lagging or leading |
| Overload rating – inverter | 100% – 130% for 1 min,<br>130% – 150% for 30 sec,<br>150% – 200% for 3 sec,<br>200% for 0.09 sec |
| Overload rating – static switch | 100% – 150% for 10 min,<br>150% – 200% for 30 sec,<br>> 200% for 1 sec |
| Efficiency | > 89% at full load |
| Over current protection | Each circuit breaker rated for 10 kAIC |
| Voltage transient withstand | Up to 20,000 volt spike per IEEE category C62.41 C3 standard |
| Batteries runtime | 8 min at 80% of load |
| **Dimensions** | |
| Height | 66" (1676 mm) |
| Width | 24" (610 mm) |
| Depth | 30" (762 mm) |
| **Weight** | |
| 2 modules | 785 lbs |
| 3 modules | 950 lbs |
| **Heat rejection** | |
| 2 modules | 6800 BTU/hr |
| 3 modules | 8100 BTU/hr |

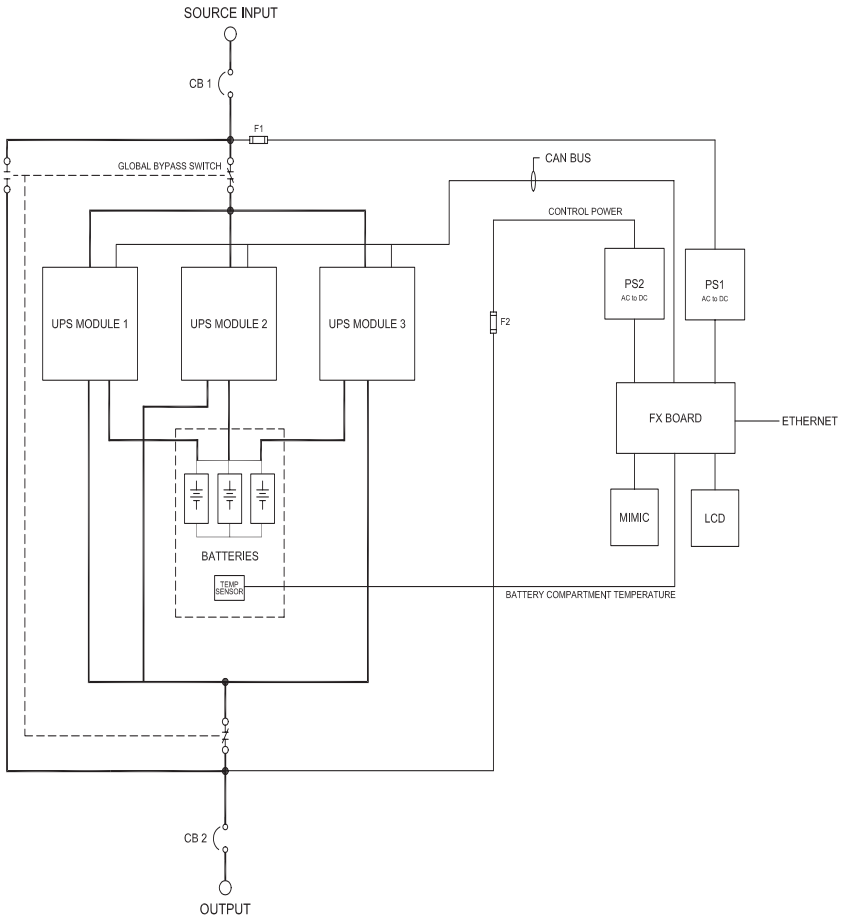
## LCD screen




## Main screen menu



# Hardware configuration





For more information please contact:

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