

UNINTERRUPTIBLE POWER SYSTEM (UPS)

3100 VA, 3100 W, 2 ea 115 VAC at 60 Hz input with automatic transfer failover and 115 VAC at 60 Hz output, double conversion, rugged, high temperature, isolated, on-line UPS with hot swap battery drawer and optional EBP, with power factor correction for Navy shipboard applications.



Part # FA10194

Model # IHT3100RM-M-3.1Kw-115v-Isol-FC60-115v-EXTB-3U24

FEATURES AND BENEFITS

Rugged & Extreme Environments

All IntelliPower systems utilize circuit boards, chassis and components that are **specifically designed for extreme environments**. In today's marketplace, repackaged commercial products are often billed as "rugged" and/or "built for harsh environments". Each component in our systems is specifically selected or designed based upon proven performance in harsh indoor and outdoor applications.

Cutting Edge Technology

Our digital, double conversion on-line UPS, power conditioner and frequency/voltage converter solutions utilize high-efficiency power switching and galvanic isolation which provides **ideal electrical output performance**. Systems are available with global voltage inputs & outputs, AC inputs & outputs and DC inputs & outputs. You will be able to utilize any power source.

IntelliPower offers power management software along with many standard communications protocols such as SNMP with OID and MIB Support, RS-232, Ethernet/IP – Common Industrial Protocol (CIP), MODBUS and Dry/Discrete Contacts. The sum total of these technological features equals the ultimate protection for your electronic equipment.

Robust Product Portfolio

No other UPS company offers **2,000+ variations**. Utilizing IntelliPower's building block methodology, more product features and functionality are provided; without having to extend lead times or change proven designs. Over the past 25 years, IntelliPower has developed its electronics hardware, firmware, embedded software and enclosure technology in house, which provides us with a unique capability to meet virtually any of your application requirements to include completely sealed systems.

Designed and Manufactured in the USA

The engineering and technological expertise within IntelliPower has enabled us to develop and field test products since 1988 to **100% user satisfaction**. For you, this translates into shorter lead times from design to shipping as well as personalized service and support. Our mission is to provide you with the highest standard of customer support and quality control.

Military Standards Compliance

All product configurations are designed and manufactured to **meet military standards**. Systems have been and can also be certified by independent labs. Many standards are met in our standard build practices, some notable standards include MIL-STD-461F (Electromagnetic Interference EMI), MIL-STD-464C (Electromagnetic Environmental Effects EME), MIL-STD-1275D (DC Electrical Power Systems), MIL-STD-901D (Shock), MIL-STD-167-A (Vibration), MIL-STD-810G (Environmental; Altitude, Temperature, Humidity, Fungus, Sand & Dust, Rain), and MIL-STD-1399-300B (Interface requirements for AC devices; Voltage Transients (spikes), Frequency Transients, Harmonics, Power Factor). IntelliPower products are used in a wide range of key military programs within the Army, Air Force, Navy and Marines.

To find out more about IntelliPower capabilities, please visit our website at www.intellipower.com/capabilities.

CORPORATE HEADQUARTERS

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All products designed and manufactured in the U.S.A.



| Uninterruptible Power System (UPS) | |
|---|--|
| IP Part #: | FA10194 |
| IP Model #: | IHT3100RM-M-3.1Kw-115v-Isol-FC60-115v-EXTB-3U24 |
| Unit Description: | 3100 VA, 3100 W, 2 ea 115 VAC at 60 Hz input with automatic transfer failover and 115 VAC at 60 Hz output, double conversion, rugged, high temperature, isolated, on-line UPS with hot swap battery drawer and optional EBP, with power factor correction for Navy shipboard applications. |
| SPECIFICATIONS | |
| Power Rating: | 3100 VA, 3100 Watts |
| Input AC Voltage 1: | 115 VAC, (-7% +7%) |
| Input AC Voltage 2: | 115 VAC, (-7% +7%) |
| Input Frequency 1: | 60 Hz, (+/- 5 Hz) |
| Input Frequency 2: | 60 Hz, (+/- 5 Hz) |
| Input Max Current: | 38.36 Amps |
| Output AC Voltage 1: | 115 VAC, (+/-3%) at 3100 Watts |
| Output Frequency 1: | 60 Hz, (+/-3 Hz), follower |
| Output Sync: | sync to within +/- 1.5 Hz of input frequency |
| Enclosure Type: | 3U, rack mountable |
| Enclosure Dimensions: | English: 5.25 x 17 x 23.6 inch(Height x Width x Depth) Metric: 13.34 x 43.18 x 59.94 cm(Height x Width x Depth) |
| Enclosure Material and Finish: | aluminum, powder coated charcoal gray |
| Enclosure Airflow: | front to rear |
| Connector(s) AC Input 1: | 1 each MS3452L20-19P |
| -position: | panel mounted, rear |
| Connector(s) AC Input 2: | 1 each MS3452L20-19P |
| -position: | panel mounted, rear |
| Connector(s) AC Output 1: | 1 each MS3452L18-4S |
| -position: | panel mounted, rear |
| Connector(s) AC Output 2: | 1 each MS3452L20-19S |
| -position: | panel mounted, rear |
| Connector(s) DC Output 1: | 1 each D38999/20FE26SN |
| -position: | panel mounted, rear |
| Connector(s) EBP Group 1: | 1 each Elcon |
| -position: | panel mounted, rear |
| Battery Type 1: | 12V8.5Ah Pb-Acid |
| Battery Quantity Total: | 16 |
| Battery Strings Quantity Total: | 2 |
| Battery Voltage per String: | 96 VDC |
| Battery Runtime 1: | Approximately 10 minutes at 3100 Watts |
| Battery Mounting: | none internal, 1 each external battery pack (EBP) |
| Battery EBP IP Part #: | FA10193 |
| Temperature Operating: | -20C to 50C (Celsius), -4F to 122F (Fahrenheit) |
| Humidity: | 5 to 95% non-condensing |
| PFC Feature: | input power factor correction |
| Isolation: | isolated |
| Application: | shipboard |
| Fan Filters: | EMI |
| Auto Start: | inverter output configured to start automatically, manual start available in settings |
| Overload Action: | bypass at 105% |
| Conformal Coating | included |
| Communications - Remote: | SNMPv3.X |
| Communications - Contact Closure: | J5, J6, J7, J8; alarm monitoring & control |
| Switches and Breakers AC Input 1: | 2P50A, toggle |
| Switches and Breakers AC Input 2: | 2P50A, toggle |
| Switches and Breakers AC Output 1: | 1 each 2P30A, toggle |
| Switches and Breakers AC Output 2: | 1 each 2P15A, toggle |
| Neutral Bonding: | bonded |

ISO 9001: 2008 Certified Facility

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