



The all new ION F18 IOT Unity Rack/Tower UPS delivers online power quality and scalable battery runtimes for rack servers, voice and data networks, storage systems and other IT equipment. With an efficiency rating of >98%, the F18 UPS cuts energy costs while packing up to 10kW of power into only 2RU. The F18 UPS range also has a LCD user interface to simplify monitoring and IOT communications as standard. The F18 range is the perfect way to flexibly integrate reliable power supply and protection for high-end computing and applications exposed to potential data loss, corruption and downtime.



F18 IOT FEATURES

- Capability to connect to cloud
- 3 year advanced replacement warranty*
- Unity 1.0 power factor
- Maintenance bypass module optional
- Wide voltage input range
- High efficiency
- Optional additional battery for extendable run time
- Automatic detect numbers of EBM
- Digital charger; charging current 0-4A adjustable
- Dual input
- Power management software
- Multiple communication ports
- Optional SNMP and relay cards
- Optional Wi-Fi communication module*
- 1+1 Parallel capacity up to 3
- Smallest footprint in its class

F18

IOT UPS

Specifications

| | F18-IOT-6KW-RT | F18-IOT-10KW-RT |
|--|--|---|
| Output | | |
| Output Power Capacity | 6000Watts / 6000VA | 10000Watts / 10000VA |
| Max Configurable Power | 6000Watts / 6000VA | 10000Watts / 10000VA |
| Nominal Output Voltage | 220 / 230 / 240VAC | |
| Voltage Accuracy | ±1% | |
| Frequency | 50Hz / 60Hz | |
| Topology | Double Conversion Online | |
| Waveform Type | Pure Sine Wave | |
| Output Connections | L/N/PE hardware terminal connection | |
| Input | | |
| Nominal Input Voltage | 220 / 230 / 240VAC | |
| Input frequency Range | 50Hz / 60 Hz | |
| Input Connections | L/N/PE hardware terminal connection | |
| Input Voltage Range for main Operations | 160-275V 100% load, 110-160V derating to 50% load linearly | |
| Overload Capacity | | |
| Line Mode | 100%<loads 105% continuous, 105%< load ≤ 125% for 10 minutes 125<load≤ 150% for 30 seconds, >150% for 500ms. | |
| Efficiency | | |
| Double conversion mode | 95% | |
| ECO Mode | 98% | |
| UPS Batteries | | |
| Battery Type | Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof | |
| Expected Battery Life (years) | 3-5 years | |
| Extendable Run Time | Yes | |
| Charging current | 1.4A (1 - 4A adjustable) | |
| Recharging time | 3h to 90% | |
| Communications & Management | | |
| Interface Port(s) | RS232 / USB / EPO | |
| Communications Card Slot | Optional SNMP / AS400 Card / MODBUS Card | |
| Control Panel | Load / Battery / Input / Output / Operating Mode Information | |
| Audible Alarm | Yes | |
| UPS Dimensions | | |
| | F18-IOT-6KW-RT* | F18-IOT-10KW-RT* |
| RU | 2 | |
| Maximum Height (mm) | 86.3 | |
| Maximum Width (mm) | 438 | |
| Maximum Depth (mm) | 573 | |
| Net Weight (kg) | 13.3 | 15.2 |
| IP protection level | IP20 | |
| EBM Details & Dimensions | | |
| | F18-IOT-EBM-240V-RT | F18-IOT-EBM-240V-RT |
| Numbers of Batteries / Battery Rating | 20 x 12V 9AH | |
| Maximum connect external battery module quantity | 6 | |
| External battery module auto detection | Yes | |
| RU | 3 | |
| Maximum Height (mm) | 129 | |
| Maximum Width (mm) | 438 | |
| Maximum Depth (mm) | 593 | |
| Net Weight (kg) | 60.5 | |
| Environmental | | |
| Operating Environment | 0-50°C (power derating to 50% @40-50°C) | |
| Operating Relative Humidity | 0 - 95 % | |
| Operating Elevation | 0-3000 meters | |
| Storage Temperature | -15 - 45 °C | |
| Storage Relative Humidity | 0 - 95 % | |
| Storage Elevation | 0-15000 meters | |
| Audible Noise at 1 meter from surface of unit | <50dB @ typical load with battery fully charged | <55dB @ typical load with battery fully charged |
| Conformance | | |
| Approvals | CE,IEC/EN 62040 | |
| Standard Warranty | 3 Year Advanced Replacement* | |

* Product specifications are subject to change without further notice.

* 3 Year advanced replacement warranty on UPS electronics and batteries please refer to the ION website for more information.

* Batteries are not included; a minimum of one is required per UPS.