



The ION F18 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 >97%, the F18 UPS cuts energy costs while packing up to 6kVA of power into only 3RU of rack space and 10kVA of power into only 5RU of rack space. The F18 UPS range also has a LCD user interface to simplify monitoring. 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 FEATURES

- 3 year advanced replacement warranty\*
- Maintenance bypass module standard
- 0.9 power factor
- Wide voltage input range
- High efficiency
- Optional additional battery for extendable run time
- Dual input
- Power management software
- Multiple communication ports
- Optional SNMP and relay cards
- Optional Wi-Fi communication module\*
- 1+1 Parallel capacity
- Smallest footprint in its class

# F18

## Online UPS

### Specifications

	F18-6000	F18-10000
<b>Output</b>		
Output Power Capacity	5400Watts / 6000VA	9000Watts / 10000VA
Max Configurable Power	5400Watts / 6000VA	9000Watts / 10000VA
Nominal Output Voltage	Variable 230 - 240VAC	
Output Voltage Distortion	<2% THD (Linear load); <5% THD (Non-linear load)	
Output Frequency (sync to mains)	47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal	
Topology	Double Conversion Online	
Waveform Type	Pure Sine Wave	
Output Connections	IEC C13 (4), IEC C19 (2), Hard Wired	IEC C19 (8), Hard Wired
Bypass	Internal Bypass (Automatic and Manual) and Removable Bypass module	
<b>Input</b>		
Nominal Input Voltage	230V	
Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)	
Input Connections	Hard Wire 3 wire (1PH+N+G)	
<b>Overload Capacity</b>		
Line Mode	12s at 102%-130% Load; 1.5s at 130%-150% Load	
Battery Mode	≥ 110 % ± 10%, Fault after 30 Seconds; ≥ 120 % ± 10 %, Fault after 100ms	
<b>Efficiency</b>		
Line Mode	> 92%	> 93%
Battery Mode	> 89%	> 90%
ECO Mode	> 96%	> 97%
<b>UPS Batteries</b>		
Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof	
Typical Recharge Time	3-6 hour(s)	
Expected Battery Life (years)	3-5 years	
Extendable Run Time	Yes	
<b>Communications &amp; Management</b>		
Interface Port(s)	RS232 / USB / EPO	
Communications Card Slot	Optional SNMP / AS400 Card	
Control Panel	Load / Battery / Input / Output / Operating Mode Information	
Audible Alarm	Yes	
<b>UPS Dimensions</b>		
	F18-6000	F18-10000
RU	3	5
Maximum Height	130mm	215mm
Maximum Width	440mm	440mm
Maximum Depth	710mm	730mm
Net Weight	46	82
Colour	Black	
<b>EBM Dimensions</b>		
	FEBM-180	FEBM-240
RU	3	3
Maximum Height	130mm	130mm
Maximum Width	440mm	440mm
Maximum Depth	595mm	595mm
Net Weight	40	40
Colour	Black	
<b>Environmental</b>		
Operating Environment	0 - 40 °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	40.0dBA	40.0dBA
<b>Conformance</b>		
Approvals	CE	
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.