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F18

Online UPS

1000VA / 2000VA / 3000VA



ION F18 is a compact, true online double conversion tower UPS featuring high power density and intuitive control. The double conversion structure combines rectifier and inverters to isolate output power from input anomalies, avoiding battery usage during minor power fluctuations. The ION F18 is available in standard or long run time configurations. ION F18 is the perfect way to flexibly integrate a 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*
- True double conversion technology designed for harsh power conditions
- 0.9 power factor
- DSP design enables precise and reliable control
- Optional SNMP and relay card
- Optional Wi-Fi communication module*
- High power protection in a compact footprint
- High efficiency results in energy saving
- Programmable LCD display
- USB HID enables communication without software

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Specifications

	F18-1000T	F18-1000TL	F18-2000T	F18-2000TL	F18-3000T	F18-3000TL
Output						
Output power capacity	900Watts / 1000VA		1800Watts / 2000VA		2700Watts / 3000VA	
Max Configurable Power (Watts)	900Watts / 1000VA		1800Watts / 2000VA		2700Watts / 3000VA	
Output Power Factor	0.9					
Nominal Output Voltage	220/230/240V					
Voltage Regulation	±2 %					
Frequency Range (Battery Mode)	50 / 60 ± 0.05Hz					
Current Crest Ratio	3:1					
Voltage Distortion (THDv)	< 1% @ linear load, < 5% @ non-linear load					
Topology	Double Conversion Online					
Waveform type	Pure Sine Wave					
Output Connections	IEC C13 (4)	IEC C13 (3)	IEC C13 (4)	IEC C13 (6)	IEC C13 (4) IEC C19 (1)	IEC C13 (3) + Terminal Block (1)
Bypass	Internal Bypass (Automatic and Manual)					
Input						
Input Voltage Range	100 ~ 300 VAC					
Frequency Range	45 Hz - 55 Hz/54 Hz - 66 Hz					
Input Wiring	Single phase with ground					
Current Distortion (THDi)	<5% (typical) @ 100% linear load					
Input Connections	IEC-320 C14	IEC-320 C14	IEC-320 C14	IEC-320 C20	IEC-320 C20	IEC-320 C20
Efficiency						
Inverter Mode	>88%		>90%		>90%	
ECO Mode	>97%					
UPS Batteries						
Battery type	12V / 9Ah	N/A	12V / 9Ah	N/A	12V / 9Ah	N/A
Number of Internal Batteries	2	N/A	4	N/A	6	N/A
Rated Battery Voltage	24V		48V		72V	
Backup Time (@ Full Load)	> 3.5 mins	N/A	> 3.5 mins	N/A	> 3.5 mins	N/A
Recharge Time (to 90%)	4 hours	N/A	4 hours	N/A	4 hours	N/A
Charging Current	1.5A	6A	1.5A	6A	1.5A	6A
Transfer Time						
Battery Mode ↔ Inverter Mode	0ms					
Inverter Mode ↔ Bypass Mode	4ms (typical)					
Communications & Management						
Interface Port(s)	RS232 / USB / EPO					
Communications Card Slot	Optional SNMP / AS400 Card					
Control panel	Programmable LCD					
Audible Alarm	Yes					
UPS Physical						
Maximum Height	229mm	228mm	330mm	327mm	330mm	327mm
Maximum Width	144mm	144mm	190mm	102mm	190mm	102mm
Maximum Depth	345mm	352mm	393mm	396mm	393mm	396mm
Net Weight	9.4kg	3.8kg	17kg	6kg	23kg	7kg
Colour	Black					
EBM Physical						
	FEBMT-24		FEBMT-48		FEBMT-72	
Maximum Height	228mm	N/A	327mm	N/A	327mm	N/A
Maximum Width	144mm	N/A	190mm	N/A	190mm	N/A
Maximum Depth	356mm	N/A	399mm	N/A	399mm	N/A
Net Weight	19kg	N/A	37kg	N/A	37kg	N/A
Colour	Black					
Environmental						
Operating Environment	0 - 40 °C					
Operating Relative Humidity	0 - 95 %					
Operating Elevation	0-3000meters					
Storage Temperature	-15 - 45 °C					
Storage Relative Humidity	0 - 95 %					
Storage Elevation	0-15000meters					
Audible noise at 1 meter from surface of unit	40.0dBA		40.0dBA		45.0dBA	
Conformance						
Approvals	CE					
Standard warranty	3 Year Advance Replacement*					

*Product specifications are subject to change without further notice.

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