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F18-L

Lithium Online UPS

1000VA / 2000VA / 3000VA



The ION Lithium F18 Rack/Tower UPS delivers high power density Online power quality in a compact footprint. With its longer life span, 5 Year Warranty* and optional scalable battery run times for rack servers, voice and data networks, storage systems and other IT equipment. The ION Lithium F18 UPS cuts energy costs with its charge and recharge efficiency while packing up to 3kVA of power into only 2RU of rack space. The F18 UPS range also has an LCD user interface to simplify monitoring and comes with SNMP monitoring as standard. The ION Lithium 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.



F18L LITHIUM FEATURES

- 5 year limited replacement warranty*
- High Power Density, compact foot print
- Heat tolerant
- Long lifespan
- 3 x longer run time than traditional lead acid solutions
- 0.9 power factor
- Wide voltage input range
- High efficiency
- Power management software
- Standard SNMP & optional relay cards
- Compact design (2RU)
- Flexible rack/tower footprint

F18L

Lithium Online UPS

Specifications

	F18L-1000	F18L-2000	F18L-3000
Output			
Output power capacity	900Watts / 1000VA	1800Watts / 2000VA	2700Watts / 3000VA
Max Configurable Power	900Watts / 1000VA	1800Watts / 2000VA	2700Watts / 3000VA
Nominal Output Voltage	208 / 220 / 230 / 240 ± 1% (settable)		
Voltage Regulation	Less than 5%		
Output Frequency	50/60 (auto sensing)		
Topology	Double Conversion Online		
Waveform type	Pure Sinewave		
Output Connections	IEC C13 (6)	IEC C13 (6)	IEC C13 (6) IEC C19 (1)
Bypass	Internal Bypass (Automatic operation)		
Input			
Nominal Input Voltage	120 - 295 V		
Input frequency	50 / 60 ± 10% (auto-sensing)		
Input Connections	IEC-320 C14	IEC-320 C20	IEC-320 C20
Input voltage range for main operations	120 - 295 V		
Overload Capacity			
Line Mode	101%-115% load for 1 min, 116%-133% load for 1s, above 134% load for 200ms		
Battery Mode	≥ 110 % ± 10%, Fault after 30 Seconds; ≥ 120 % ± 10 %, Fault after 100ms		
Efficiency			
AC/AC Efficiency	> 91.5%	> 91.6%	> 93%
UPS Batteries			
Battery Type	Lithium ION Battery		
Voltage (VDC)	24	48	72
Typical Recharge Time	3 - 6 hour(s)		
Charging Current	4 A		
Expected Battery Life	5 - 10 years		
Extendable Run Time	No		
Communications & Management			
Interface Port	USB / RS232		
Communications Card Slot	SNMP Included / (RS232 & dry contact optional)		
Control panel	Load / Battery / Input / Output / Operating Mode Information		
Audible Alarm	Battery low-voltage, mains abnormal, UPS fault, output overload		
UPS Physical			
RU	2	2	2
Maximum Height	86mm	86mm	86mm
Maximum Width	440mm	440mm	440mm
Maximum Depth	420mm	570mm	570mm
Net Weight	8.9kg	13.6kg	16.1kg
Colour	Black		
Environmental			
Operating Environment	0 - 60°C (Best operating temperature is 0 - 40°C, output power derated from 40°C - 60°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	< 55.0 dB		
Conformance			
Approvals	CE		
Standard warranty	5 Year Limited Warranty*		

*Product specifications are subject to change without further notice.

*5 Year limited warranty on UPS electronics and batteries please refer to the ION website for more information.