



info@ionups.com.au
www.ionups.com.au
P: 1300 700 805

F18 IOT UPS

1000VA / 2000VA / 3000VA



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 >97%, the F18 UPS cuts energy costs while packing up to 3kW of power into only 2RU of rack space. 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*
- Grouped programmable outlets
- Unity 1.0 power factor
- Wide voltage input range
- High efficiency
- Optional additional batteries for extendable run time
- Easy battery replacement, hot swappable
- Automatic detect numbers of EBM
- Power management software
- Optional SNMP & relay cards
- Optional Wi-Fi communication module*
- Compact design (2RU)
- Flexible rack/tower footprint

F18

IOT UPS

Specifications

	F18-IOT-1KW-RT	F18-IOT-1.5KW-RT	F18-IOT-2KW-RT	F18-IOT-3KW-RT
Output				
Output Power Capacity	1000Watts / 1000VA	1500Watts / 1500VA	2000Watts / 2000VA	3000Watts / 3000VA
Max Configurable Power	1000Watts / 1000VA	1500Watts / 1500VA	2000Watts / 2000VA	3000Watts / 3000VA
Nominal Output Voltage	200/208/220/230/240 VAC (derating 10% at 208V, derating 20% at 200V)			
Voltage Accuracy	±1%			
Frequency	50Hz/60Hz			
Topology	Double Conversion Online			
Waveform Type	Pure Sine Wave			
Output Connections	IEC C13 (8)			IEC C13 (8) IEC C19 (1)
Bypass	Internal Bypass (Automatic and Manual operation)			
Input				
Nominal Input Voltage	230V			
Input frequency Range	50Hz/60 Hz			
Input Connections	IEC-320 C14			IEC-320 C20
Input Voltage Range for main Operations	160-300V 100% load, 110-160V derating to 50% load linearly			
Overload Capacity				
Line Mode	100%<load≤105% continuous, 105%< load ≤125% for 5 minutes 125<loads150% for 30 seconds, >150% for 500ms.			
Efficiency				
Double conversion mode	89%		93%	
ECO Mode	96%	97%	97%	
UPS Batteries				
Battery Type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof			
Numbers of Batteries / Battery Rating	3 x 12V 7AH	3 x 12V 9AH	6 x 12V 9AH	
Maximum connect external battery module quantity	4			
External battery module auto detection	Yes			
Expected Battery Life (years)	3-5 years			
Extendable Run Time	Yes			
Battery Replacement	Hot Swappable			
Charging current	1.5A			
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				
RU	F18-IOT-1KW-RT		F18-IOT-1.5KW-RT	F18-IOT-2KW-RT
Maximum Height (mm)			85.5	
Maximum Width (mm)			438	
Maximum Depth (mm)	445			600
Net Weight (kg)	15.5	15.8	25.7	26.2
IP protection level	IP20			
EBM Dimensions				
Numbers of Batteries / Battery Rating	F18-IOT-EBM-36V-RT	F18-IOT-EBM-36V-RT	F18-IOT-EBM-72V-RT	F18-IOT-EBM-72V-RT
RU	2 x 3x 12V 7AH	2 x 3x 12V 9AH	2 x 6x 12V 9AH	2 x 6 x 12V 9AH
Maximum Height (mm)			85.5	
Maximum Width (mm)			438	
Maximum Depth (mm)	445			600
Net Weight (kg)	19.8	22.6	39.9	39.9
Environmental				
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	<45dB @ typical load with battery fully charged		<50dB @ 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.