•• I O N

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

F18 IOT UPS

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.





RE SINEWAV



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	1000 Matta / 1000 M	200/208/220/230/240 VAC (derating :		0000 Watts / 0000 WA
Voltage Accuracy		200/208/220/230/240 VAC (derating . ±1%		
		50Hz/6		
Frequency	Double Conversion Online			
Topology	Pure Sine Wave			
Waveform Type				
Output Connections				IEC C13 (8) IEC C19 (1
Bypass		Internal Bypass (Automatic	cand Manual operation)	
Input				
Nominal Input Voltage		230		
Input frequency Range	50Hz/60 Hz			
Input Connections	IEC-320 C14 IEC-320 C20			
Input Voltage Range for main Operations		160-300V 100% load, 110-160	/ derating to 50% load linearly	
Overload Capacity				
Line Mode	100% <load≤105%< td=""><td>6 continuous. 105%< load ≤125% for 5 min</td><td>nutes 125<load≤150% 30="" for="" seconds.<="" td=""><td>>150% for 500ms.</td></load≤150%></td></load≤105%<>	6 continuous. 105%< load ≤125% for 5 min	nutes 125 <load≤150% 30="" for="" seconds.<="" td=""><td>>150% for 500ms.</td></load≤150%>	>150% for 500ms.
Efficiency				
Double conversion mode	89% 93%			
ECO Mode	96%			
UPS Batteries				
		Maintananca frag costad and Asida a	with supported alertechter lead	6
Battery Type		Maintenance-free sealed Lead-Acid battery		
Numbers of Batteries / Battery Rating	3 x 12V 7AH	3 x 12V 9AH	6 x 12\	/ 7AH
Maximum connect external pattery 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		01107		
			22 (520	
Interface Port(s)	RS232/USB/EPO			
Communications Card Slot	Optional SNMP / AS400 Card / MODBUS Card			
Control Panel		Load / Battery / Input / Output /		
Audible Alarm		Yes		
UPS Dimensions	F18-IOT-1KW-RT	F18-IOT-1.5KW-RT	F18-IOT-2KW-RT	F18-IOT-3KW-RT
RU		2		
Maximum Height (mm)		85.5		
Maximum Height (mm)		85.5 438		
				0
Maximum Height (mm) Maximum Width (mm)	15.5	438	3	26.2
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg)		438	3 60 25.7	1
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) IP protection level		438 145 15.8	3 60 25.7	26.2
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm)	15.5	438 445 15.8 IP20	3 60 25.7 0	26.2
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) P protection level EBM Dimensions Numbers of Batteries / Battery Rating	15.5 F18-IOT-EBM-36V-RT	438 445 15.8 IP20 F18-IOT-EBM-36V-RT	3 25.7 0 F18-IOT-EBM-72V-RT	26.2 F18-IOT-EBM-72V-R
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) IP protection level EBM Dimensions	15.5 F18-IOT-EBM-36V-RT	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH	3 25.7 0 F18-IOT-EBM-72V-RT 2×6×12V 9AH	26.2 F18-IOT-EBM-72V-R
Maximum Height (mm) 4 Maximum Width (mm) 4 Maximum Depth (mm) 7 Net Weight (kg) 7 P protection level 7 EBM Dimensions 7 Numbers of Batteries / Battery Rating 8 RU 4 Maximum Height (mm) 7	15.5 F18-IOT-EBM-36V-RT	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH 2	3 25.7 0 F18-IOT-EBM-72V-RT 2 × 6 × 12V 9AH 5	26.2 F18-IOT-EBM-72V-R
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Maximum Depth (mm) Protection level EBM Dimensions Uturbers of Batteries / Battery Rating RU Maximum Height (mm) Maximum Width (mm) Maximum Width (mm)	15.5 F18-IOT-EBM-36V-RT 2x3x12V7AH	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH 2 85.5	3 25.7 0 F18-IOT-EBM-72V-RT 2 × 6 × 12V 9AH 5	26.2 F18-IOT-EBM-72V-R 2 x 6 x 12V 9AH
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) P protection level EBM Dimensions Numbers of Batteries / Battery Rating RU Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm)	15.5 F18-IOT-EBM-36V-RT 2x3x12V7AH	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH 2 85.5 438	3 60 25.7 0 F18-IOT-EBM-72V-RT 2×6×12V 9AH 5 3	26.2 F18-IOT-EBM-72V-R [*] 2x6x12V9AH
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) P protection level EBM Dimensions Numbers of Batteries / Battery Rating RU Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg)	15.5 F18-IOT-EBM-36V-RT 2 x 3 x 12V 7AH	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH 2 85.5 438	3 60 25.7 0 F18-IOT-EBM-72V-RT 2×6×12V 9AH 5 3 60	26.2 F18-IOT-EBM-72V-R 2x6x12V9AH
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) P protection level EBM Dimensions Numbers of Batteries / Battery Rating RU Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) Environmental	15.5 F18-IOT-EBM-36V-RT 2 x 3 x 12V 7AH	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH 2 85.5 438 445 22.6	3 25.7 0 F18-IOT-EBM-72V-RT 2×6×12V 9AH 5 3 60 39.9	26.2 F18-IOT-EBM-72V-R 2x6x12V9AH
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) P protection level EBM Dimensions Numbers of Batteries / Battery Rating RU Maximum Height (mm) Maximum Height (mm) Maximum Depth (mm) Net Weight (kg) Environmental Deperating Environment	15.5 F18-IOT-EBM-36V-RT 2 x 3 x 12V 7AH	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH 2 85.5 438 445 22.6 0 - 40	3 60 25.7 0 F18-IOT-EBM-72V-RT 2×6×12V 9AH 5 3 60 39.9	26.2 F18-IOT-EBM-72V-R 2x6x12V9AH
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) P protection level EBM Dimensions Numbers of Batteries / Battery Rating RU Maximum Height (mm) Maximum Height (mm) Maximum Depth (mm) Net Weight (kg) Environmental Deperating Environment Deperating Relative Humidity	15.5 F18-IOT-EBM-36V-RT 2 x 3 x 12V 7AH	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH 2 85.5 438 445 22.6 0-40 0-95	3 25.7 0 F18-IOT-EBM-72V-RT 2×6×12V 9AH 5 3 60 39.9 °C 5%	26.2 F18-IOT-EBM-72V-R 2x6x12V9AH
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) IP protection level EBM Dimensions Numbers of Batteries / Battery Rating RU Maximum Height (mm) Maximum Height (mm) Maximum Depth (mm) Maximum Depth (mm) Net Weight (kg) Environmental Operating Environment Operating Relative Humidity Operating Elevation	15.5 F18-IOT-EBM-36V-RT 2 x 3 x 12V 7AH	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH 2 85.5 438 445 22.6 0-40 0-95 0-3000 n	3 60 25.7 0 F18-IOT-EBM-72V-RT 2 × 6 × 12V 9AH 5 3 60 39.9 °C 5% neters	26.2 F18-IOT-EBM-72V-R 2x6x12V9AH
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) IP protection level EBM Dimensions Numbers of Batteries / Battery Rating RU Maximum Height (mm) Maximum Height (mm) Maximum Depth (mm) Maximum Depth (mm) Net Weight (kg) Environmental Diperating Environment Diperating Relative Humidity Diperating Elevation Storage Temperature	15.5 F18-IOT-EBM-36V-RT 2 x 3 x 12V 7AH	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH 2 85.5 438 445 22.6 0-40 0-95 0-3000 n -15 - 49	3 60 25.7 0 F18-IOT-EBM-72V-RT 2 × 6 × 12V 9AH 5 3 60 39.9 **C 5 % neters 5 *C	26.2 F18-IOT-EBM-72V-R 2x6x12V9AH
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) IP protection level EBM Dimensions Numbers of Batteries / Battery Rating RU Maximum Height (mm) Maximum Height (mm) Maximum Depth (mm) Deprating Environment Diperating Relative Humidity Diperating Elevation Storage Temperature Storage Relative Humidity	15.5 F18-IOT-EBM-36V-RT 2 x 3 x 12V 7AH	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH 2 85.5 438 445 22.6 0-40 0-95 0-3000 n -15-49 0-95	3 60 25.7 0 F18-IOT-EBM-72V-RT 2 × 6 × 12V 9AH 5 3 60 39.9 °C 5 % neters 5 °C 5 %	26.2 F18-IOT-EBM-72V-R 2x6x12V9AH
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) IP protection level EBM Dimensions Numbers of Batteries / Battery Rating RU Maximum Height (mm) Maximum Height (mm) Maximum Depth (mm) Maximu	15.5 F18-IOT-EBM-36V-RT 2 x 3 x 12V 7AH 2 x 3 x 12V 7AH	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH 2 85.5 438 445 22.6 0-40 0-95 0-3000 n -15-4! 0-95 0-15000 n	3 60 25.7 0 F18-IOT-EBM-72V-RT 2 × 6 × 12V 9AH 5 3 60 39.9 *°C 5 % neters 5 °C 5 % meters	26.2 F18-IOT-EBM-72V-R 2 x 6 x 12V 9AH 00 39.9
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) IP protection level EBM Dimensions Numbers of Batteries / Battery Rating RU Maximum Height (mm) Maximum Height (mm) Maximum Depth (mm) Storage Temperature Storage Temperature Storage Temperature Storage Temperature Storage Televation Audible Noise at 1 meter from surface of unit	15.5 F18-IOT-EBM-36V-RT 2 x 3 x 12V 7AH 2 x 3 x 12V 7AH	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH 2 85.5 438 445 22.6 0-40 0-95 0-3000 n -15-49 0-95	3 60 25.7 0 F18-IOT-EBM-72V-RT 2 × 6 × 12V 9AH 5 3 60 39.9 °C 5 % neters 5 °C 5 %	26.2 F18-IOT-EBM-72V-R1 2×6×12V 9AH 00 39.9
Maximum Height (mm) Maximum Width (mm) Maximum Depth (mm) Net Weight (kg) IP protection level EBM Dimensions Numbers of Batteries / Battery Rating RU Maximum Height (mm) Maximum Height (mm) Maximum Depth (mm) Maximum Depth (mm) Net Weight (kg) Environmental Operating Environment Operating Relative Humidity	15.5 F18-IOT-EBM-36V-RT 2 x 3 x 12V 7AH 2 x 3 x 12V 7AH	438 445 15.8 IP20 F18-IOT-EBM-36V-RT 2 x 3 x 12V 9AH 2 85.5 438 445 22.6 0-40 0-95 0-3000 n -15-4! 0-95 0-15000 n	3 60 25.7 0 F18-IOT-EBM-72V-RT 2 × 6 × 12V 9AH 5 3 60 39.9 1°C 5 % neters 5 °C 5 % meters 5 °C 5 %	26.2 F18-IOT-EBM-72V-R1 2×6×12V 9AH 00 39.9

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.