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F18

Eco Online UPS

300VA



ION F18 ECO is a compact, true online double conversion tower UPS featuring fanless 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. ION F18 is the perfect way to flexibly integrate a cost effective reliable power supply and protection for high-end computing and applications exposed to potential data loss corruption and downtime.



F18 Eco FEATURES

- 3 year advanced replacement warranty*
- Pure Sine Wave output
- Online (Double Conversion) UPS topology
- Convection cooled
- Wide input range
- 50/60Hz auto sensing
- ECO mode for energy saving
- Generator compatible
- EMI, RFI, surge and spike protection
- Auto-restart / auto-charge
- HID USB/RS232 multiple communications
- Emergency power off (EPO) port

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Specifications

F18E-300	
Output	
Output Power Capacity	270Watt / 300VA
Max Configurable Power (Watts)	270Watt / 300VA
Nominal Voltage (Batt.mode)	208/220/230/240Vac
Voltage Regulation	± 1 %
Nominal Output Frequency	50Hz/60Hz
Frequency Range (Batt.)	50 Hz/60Hz±0.5%
Waveform	Pure Sine Wave
THDv	≤ 3% @ linear load, ≤5%@non-linear load
Current Crest Ratio	3:01
Transfer Time	0ms
Overload Protection	
Line Mode	105%-110%, warning only (No shutdown); 110%-120%, transfer to bypass after 60s; >120%, Transfer to bypass immediately
Battery Mode	105%-110%, warning only (No shutdown); 110%-120%, shutdown after 10s; >120%, shutdown immediately
Bypass Mode	110%-130%, warning only; >130%, shutdown immediately
Input	
Nominal Voltage	208/220/230/240Vac
Voltage Range	110-300Vac
Nominal Frequency	50/60Hz
Frequency Range	40-70Hz
Power factor	0,99
UPS Battery	
Battery Voltage	24V
Battery type	12V/7.2Ah
Total Battery Quantity	2
Recharge Time (to 90%)	4H
Charger Current	1A
Efficiency	
Efficiency (Inverter Mode)	89 %
Efficiency (Batt. Mode)	85 %
ECO Mode	97 %
Indicators	
Display	LED/LCD Optional
Alarm	Yes
Communications & Management	
RS232	Yes
HID compliant USB port	Yes
EPO	Yes
Smart Slot	Yes
Auto Recharge	Yes
Auto Restart	Yes
Power Management Software	Yes
UPS Physical	
Tower	Yes
Maximum Height	225mm
Maximum Width	151mm
Maximum Depth	390mm
Net Weight	10,8kg
Colour	Black
Environmental	
Operating Environment	0 - 40 °C
Operating Relative Humidity	0-90% non-condensing
Operating Elevation	0-3000meters
Storage Temperature	-15 - 45 °C
Storage Relative Humidity	0-90% non-condensing
Storage Elevation	0-15000meters
Audible noise at 1 meter from surface of unit	40.0dBA
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.