



ION F18 ECO is a compact, true online double conversion tower UPS featuring fanless cooling 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 F18 Eco is ideal for supporting low power applications requiring no air movement like PLC's, industrial network switches and control circuitry in electrical distribution boards.



## F18 Eco FEATURES

- 3 year advanced replacement warranty\*
- Pure Sine Wave output
- Online (Double Conversion) UPS topology
- Convection cooled / no fan
- 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

# F18

## Eco Online UPS

### Specifications

#### F18E-300

<b>Output</b>	
Output Power Capacity	270Watt / 300VA
Max Configurable Power	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
<b>Overload Protection</b>	
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
<b>Input</b>	
Nominal Voltage	208/220/230/240Vac
Voltage Range	110-300Vac
Nominal Frequency	50/60Hz
Frequency Range	40-70Hz
Power Factor	0.99
<b>UPS Battery</b>	
Battery Voltage	24V
Battery Type	12V/7.2Ah
Total Battery Quantity	2
Recharge Time (to 90%)	4H
Charger Current	1A
<b>Efficiency</b>	
Efficiency (Inverter Mode)	89 %
Efficiency (Batt. Mode)	85 %
ECO Mode	97 %
<b>Indicators</b>	
Display	LED/LCD Optional
Alarm	Yes
<b>Communications &amp; Management</b>	
RS232	Yes
HID compliant USB port	Yes
EPO	Yes
Smart Slot	Yes
Auto Recharge	Yes
Auto Restart	Yes
Power Management Software	Yes
<b>UPS Dimensions</b>	
Tower	Yes
Maximum Height	225mm
Maximum Width	151mm
Maximum Depth	390mm
Net Weight	10,8kg
Colour	Black
<b>Environmental</b>	
Operating Environment	0 - 40 °C
Operating Relative Humidity	0-90% non-condensing
Operating Elevation	0-3000 meters
Storage Temperature	-15 - 45 °C
Storage Relative Humidity	0-90% non-condensing
Storage Elevation	0-15000 meters
Audible Noise at 1 meter from surface of unit	40.0dBA
<b>Conformance</b>	
Approvals	CE
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.