

## FDC-2002T-C

The EOS series of UPS units have been conceived for true on-line operation with pure sine wave output and zero transfer time.



An innovative and revolutionary design makes this one of the smallest, yet most powerful units in the market with the highest level of protection against mission critical equipment. Double conversion topology ensures that all connected equipment are isolated from any potential power problems caused by the incoming AC source. Featuring a 1000VA and 2000VA capacity configuration along with a convenient to read LCD, the EOS series stands out as a reliable and highly efficient line of on-line UPS units backed through ease of use and quick relay of system vitals.

### Highlights

- Small compact design
- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor of 0.8
- Converter mode available
- ECO mode for energy saving
- Generator compatible
- Smart SNMP card works with USB and RS-232 ports
- Comprehensive display allows easy monitoring and access of UPS status



Ideal for

# 2000VA

PROTECTION LEVEL 6

- + Breaker
- + Surge Protector
- + Voltage Protector
- + Voltage Regulator
- + Power Back up
- + Double Conversion Online

| MPN                                  | FDC-2002T-C  |
|--------------------------------------|--|
| <b>General</b>                       |  |
| Capacity                             | 2000VA/1600W   |
| Topology                             | Double conversion  |
| <b>Input</b>                         |  |
| Nominal voltage                      | 200-240VAC   |
| Voltage range (low line transfer)    | 160VAC / 140VAC / 120VAC / 110VAC $\pm$ 5%<br>(based on load percentage 100%-80% / 80%-70% / 70%-60% / 60%-0%)                           |
| Voltage range (low line comeback)    | Low line transfer voltage + 15V  |
| Voltage range (high line transfer)   | 300VAC $\pm$ 5%  |
| Voltage range (high line comeback)   | High line transfer voltage - 10V   |
| Frequency                            | 40-70Hz  |
| Power factor                         | $\geq$ 0.99 at 100% load   |
| Total harmonic distortion (THDi)     | $\leq$ 15% at 100% load THDU <1.6%   |
| AC plug style                        | Italian (CEI 23-50)  |
| <b>Output</b>                        |  |
| Nominal voltage                      | 200/208/220/230/240VAC   |
| AC voltage regulation (battery mode) | $\pm$ 1%   |
| Frequency (synchronized range)       | 47-53Hz @ 50Hz system / 57-63Hz at 60Hz system   |
| Frequency (battery mode)             | 50Hz $\pm$ 0.1Hz or 60Hz $\pm$ 0.1Hz   |
| Power factor                         | 0.8  |
| Efficiency (AC mode)                 | $\geq$ 88%   |
| Efficiency (battery mode)            | $\geq$ 83%   |
| Overload                             | 105%-110%: 10min / 110%-130%: 1min / >130%: 3sec   |
| Transfer time (line to battery)      | 0ms  |
| Transfer time (inverter to bypass)   | 4ms  |
| Crest ratio                          | 3:1 (max)  |
| Harmonic distortion                  | $\leq$ 3% THD (linear load) / $\leq$ 6% THD (non-linear load)  |
| Waveform                             | Pure sine wave   |
| Total outlets                        | 5 Italian (CEI 23-50)  |
| <b>Battery</b>                       |  |
| Battery type and quantity            | 12V / 9Ah (4)  |
| Recharge time                        | 4 hours to 90% capacity  |
| Charging current                     | 1A $\pm$ 10% (max)   |
| Charging voltage                     | 54.7VDC $\pm$ 1%   |
| <b>Communications</b>                |  |
| LCD display                          | Graphical LCD with blue backlight  |
| Audible                              | Battery mode: Sounds every 4 seconds<br>Low battery: Sounds every second<br>Overload: Sounds every 0.5 second<br>Fault: Continuous sound |
| Communication ports                  | SNMP, RS-232, USB  |
| Power management software            | ForzaTracker   |
| <b>Environment</b>                   |  |
| Operating temperature                | 32°F-104°F   |
| Storage temperature                  | UPS: -4°F-122°F  |
| Relative humidity                    | 20-90% non-condensing  |
| Operating altitude                   | <1000m<br>Every 100m above 1000m decreases output power 1% up to 4000m   |
| Audible noise                        | <50dB at 1 meter   |
| <b>Physical appearance</b>           |  |
| Dimensions                           | 5.7x8.7x15.6in   |
| Weight                               | 38lb   |
| <b>Additional information</b>        |  |
| Warranty                             | 3 years*   |

\* Limited to two years on batteries

