

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 0.9
- 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
General	
Capacity	2000VA/1800W
Topology	Double conversion
Input	
Nominal voltage	200-240VAC
Voltage range (low line transfer)	160VAC / 140VAC / 120VAC / 110VAC \pm 5% (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)
Output	
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	0.9
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)
Battery	
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%
Communications	
LCD display	Graphical LCD with blue backlight
Audible	Battery mode: Sounds every 4 seconds Low battery: Sounds every second Overload: Sounds every 0.5 second Fault: Continuous sound
Communication ports	SNMP, RS-232, USB
Power management software	ForzaTracker
Environment	
Operating temperature	32°F-104°F
Storage temperature	UPS: -4°F-122°F
Relative humidity	20-90% non-condensing
Operating altitude	$<$ 1000m Every 100m above 1000m decreases output power 1% up to 4000m
Audible noise	$<$ 50dB at 1 meter
Physical appearance	
Dimensions	5.7x8.7x15.6in
Weight	38lb
Additional information	
Warranty	3 years*

* Limited to two years on batteries

