

# FDC-1000T

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 to mission-critical equipment. Double conversion topology ensures that all connected equipment is isolated from any potential power problems caused by the incoming AC source. Available with capacities of 1000VA and 2000VA, along with a multifunction LCD touchscreen, the EOS series stands out as a reliable and highly-efficient line of UPS systems, backed by ease of use and the quick relay of system vitals.

## Highlights

- State-of-the art touch digital display provides unmatched access for monitoring and managing the UPS system
- Small compact design
- True double-conversion topology
- 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 simultaneously



Ideal for



**1000VA**  
**PROTECCION LEVEL 6**

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

MPN	FDC-1000T
<b>General</b>	
Capacity	1000VA/900W
Topology	Double conversion
<b>Input</b>	
Nominal voltage	110-127VAC
Voltage range (low line transfer)	90VAC / 80VAC / 70VAC / 60VAC $\pm$ 3% (based on load percentage 100%-80% / 80%-70% / 70%-60% / 60%-0%)
Voltage range (low line comeback)	Low line transfer voltage + 10V
Voltage range (high line transfer)	150VAC $\pm$ 3%
Voltage range (high line comeback)	High line transfer voltage - 5V
Frequency	40-70Hz
Power factor	$\geq$ 0.99 at 100% load
Total harmonic distortion (THDi)	$\leq$ 10% at 100% load THDU <1.6%
AC plug style	5-15P
<b>Output</b>	
Nominal voltage	110/115/120/127VAC
AC voltage regulation (battery mode)	$\pm$ 1%
Frequency (synchronized range)	47-53Hz with a 50Hz system / 57-63Hz with a 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	Three 5-15R
<b>Battery</b>	
Battery type and quantity	12V / 9Ah (2)
Recharge time	4 hours to 90% capacity
Charging current	1A $\pm$ 10% (max)
Charging voltage	27.4VDC $\pm$ 1%
<b>Communications</b>	
LCD display	Integrated 3in LCD touchscreen
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
<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
Audible noise	Every 100m above 1000m decreases output power 1% up to 4000m <50dB at 1 meter
<b>Physical appearance</b>	
Dimensions	5.7x8.7x11.1in
Weight	22lb
<b>Additional information</b>	
Warranty	Three years*

\* Limited to two years on batteries

