

ON-LINE UPS EOS 3k

Uninterruptible Power Supply System

The EOS Series UPS systems are designed for true online operation, delivering a pure sine wave output with zero transfer time.

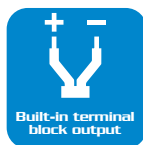
FDC-3000T / FDC-3002T-I



Their innovative, compact design makes them among the smallest yet most powerful units in their class, providing the highest level of protection for mission-critical equipment. Featuring double-conversion topology, the EOS Series fully isolates connected devices from disturbances in the incoming AC power. Available in 1000VA, 2000VA, and 3000VA capacities, and equipped with a multifunction LCD touchscreen, the EOS Series stands out as a reliable, highly efficient UPS solution that combines advanced performance with intuitive monitoring of key system parameters.

Highlights

- Advanced LCD touchscreen interface for real-time monitoring and management.
- Compact footprint for maximum installation flexibility.
- True online double-conversion topology for complete power isolation.
- High-precision microprocessor control for enhanced reliability.
- Input power factor correction for improved efficiency.
- 0.9 output power factor to support more critical load capacity.
- Selectable Converter Mode for specialized applications.
- ECO Mode for reduced energy consumption.
- Fully compatible with generator operation.
- USB and RS-232 communication ports plus intelligent SNMP slot for remote management.



Ideal for

PROTECTION LEVEL 6

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

MPN	FDC-3000T	FDC-3002T-I
General		
Capacity	3000VA/2700W	
Topology	Double Conversion	
Phase	Single phase with ground	
Input		
Nominal voltage	110-127VAC	200-240VAC
Voltage range (low line transfer)	90VAC / 80VAC / 70VAC / 60VAC $\pm$ 3% (based on load percentage 100%-80% / 80%-70% / 70%- 60% / 60%-0%)	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 + 10V	
Voltage range (high line transfer)	150VAC $\pm$ 3%	300VAC $\pm$ 5%
Voltage range (high line comeback)	High line transfer voltage - 5V	
Frequency	40-70Hz	
Nominal input current	25A	13.0A
Maximum input current	35A	17.5A
Power factor	≥ 0.99 at 100% load	
Total harmonic distortion (THDi)	$\leq 10\%$ @ 100% load THDU $< 1.6\%$	
AC input	Terminal block	IEC (C20)
Included cables	Hardwire to NEMA L5-30P	IEC C19 to NEMA 5-15P IEC C19 to CEI 23-50 IEC C19 to IRAM 2073
Output		
Nominal voltage	110/115/120/127VAC	200/208/220/230/240VAC
AC Voltage regulation (battery mode)	$\pm 1\%$	
Frequency (synchronized range)	47-53Hz @ 50Hz system / 57-63Hz @ 60Hz system	
Frequency (battery mode)	50Hz $\pm$ 0.1Hz or 60Hz $\pm$ 0.1Hz	
Power factor	0.9	
Efficiency (AC mode)	$\geq 90\%$	
Efficiency (battery mode)	$\geq 88\%$	
Overload	105%-110%: 10 min / 110%-130%: 30 s / $>130\%$: 3 s	
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	4 (5-20R) 1 (Terminal block)	4 (IEC C13) 1 (Terminal block)



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Battery		
Battery type and quantity	12V / 9Ah (6)	
Recharge time	4 hours to 90% capacity	
Charging current	1A ± 10% (max.)	
Charging voltage	82.1VDC ± 1%	
Backup time	192 min *	
Communications		
LCD display	Integrated 3-inch touchscreen LCD	
Audible	Battery Mode: Sounds every 4 seconds Low Battery: Sounds every second Overload: Sounds every 0.5 second Fault: Continuous sound Bypass: Sounds every 10 seconds	
Communication ports	SNMP, RS-232, USB	
Power management software	ForzaTracker	
Special Features		
"Cold Start" option	Included	
Auto charge	Included	
Environment		
Operating temperature	32°F-104°F	
Storage temperature	UPS: -4°F-122°F	
Relative humidity	0-95% non-condensing	
Operating altitude	<4000 m Every 100 m above 1000 m decreases the power output by 1% up to 4000 m	
Audible noise	<55dB at 1 meter	
Physical Appearance		
Power switch	Button	
Housing	Metal	
Color	Black	
Cord length	5.9 ft	
Product dimensions (LxWxD)	12.5 x 7.5x 16.6 in	
Product weight	64.6 lb.	
Additional Information		
Warranty	3 years **	
Included	• One UPS unit • USB cable • One user manual • One hardwired cable with NEMA L5-30P plug	• One UPS unit • USB cable • One user manual • 3 power cables (one IEC C19 to NEMA 5-15P, one IEC C19 to CEI 23-50, and one IEC C19 to IRAM 2073)

* Calculated with a single PC plus monitor

** 2 years on batteries



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