

FDC-3002R

Atlas online series is designed to provide the highest level of protection for critical mission equipment against the widest spectrum of power problems and failures.

The new Atlas online series provides true double-conversion technology and the highest level of protection suitable for critical equipment. This series combine an optimized level of performance with rich functionality, resulting in a highly efficient system that is easy to maintain and operate. Designed to prevent unexpected service interruptions due to overloads, internal fault conditions or during blackouts, the UPS ensures reliable and continuous operation through its internal battery pack and an optional external battery module. The Atlas is available with voltage output of 220V.

Highlights

- Rack mountable/Tower conversion
- True double-conversion online UPS
- Output power factor 0.9
- User-friendly and easy-shift LCD display
- Programmable power management outlets
- 50/60 Hz frequency converter mode
- ECO and advanced ECO mode for energy saving
- Emergency Power Off Function (EPO)
- Includes ForzaTracker, a power monitoring and management software

**3000VA****PROTECTION LEVEL 6**

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

MPN	FDC-3002R
General	
Capacity	3000VA/2700W
Topology	Double conversion
Input	
Nominal voltage	220VAC
Voltage range (low line transfer)	110VAC
Voltage range (low line comeback)	125VAC
Voltage range (high line transfer)	300VAC
Voltage range (high line comeback)	290VAC
Frequency	40-70Hz
Power factor	0.99 at 100% load
Total harmonic distortion (THDi)	≤5% at 100% load THDU <1.6%
AC plug style	NEMA 5-15P/CEI 23-50
Output	
Nominal voltage	240VAC
Frequency (synchronized)	47-53Hz at 50Hz system / 57-63Hz at 60Hz system
Frequency (battery)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz
Voltage regulation (battery)	±1%
Power factor	0.9
Efficiency (AC mode)	>91%
Efficiency (battery mode)	>90%
Overload (AC mode)	100%-110%, only warning 110%-130%, transfer to bypass after 5min 130%-140%, transfer to bypass after 30s >140%, transfer to bypass after 1.5sec
Overload (battery mode)	100%-110%, only warning 110%-130%, transfer to bypass after 1min 130%-140%, transfer to bypass after 30s >140%, transfer to bypass after 1.5sec
Transfer time (line to battery)	0ms
Transfer time (inverter to bypass)	4ms
Crest ratio	3:1 (max)
Harmonic Distortion	≤2% THD (linear load) / ≤4% THD (non-linear load)
Waveform	Pure Sine Wave
Total outlets	6 NEMA 5-20R
Battery	
Battery type and quantity	12V / 9AH (6)
Recharge time	4 hours to 90% capacity
Charging current	1.5A ± 10% (max)
Charging voltage per battery	13.68V ± 1%
Communications	
LCD display	Graphical LCD with blue backlight
Audible	Battery mode: Sounds every 5 seconds Low battery: Sounds every 2 seconds Overload: Sounds every second Fault: Continuous sound
Communication ports	RS-232, USB
Power management software	Optional SNMP card



EMERGENCY BACKUP
POWER SUPPLY



POWER SURGE &
SPIKE PROTECTION



AVR PROTECTION



MONITORING SOFTWARE
(CD INCLUDED)



MPN	FDC-3002R
Environment	
Operating temperature	32°F-104°
Storage temperature	-4°F-122°F
Relative humidity	20-90% non-condensing
Operating altitude	<4000m Every 100m above 1000m decreases output power 1% up to 4000m
Audible noise	<50dB at 1 meter
Physical appearance	
Dimensions	24.8x17.3x3.5in
Weight	60.4lb
Cord length	6ft
Additional Information	
Warranty	2 years

