

## FDC-3012-R-I

**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 combines 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. Ideal for high density power protection demands, the Atlas features a versatile rack/tower form factor to fit diverse environments. Despite its compact footprint, this UPS incorporates internal battery packs which can be accessed via the front panel for maintenance checks and replacement without removing the UPS from its mounting rack.

### Highlights

- Rack mountable / Tower conversion
- True double-conversion online UPS
- Output power factor 1
- IEC universal output sockets
- User-friendly and easy-shift LCD display
- Programmable power management outlets
- SNMP slot for network and sensor expansion
- 50/60Hz 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-3012-R-I
<b>General</b>	
Capacity	3000VA/3000W
Topology	Double conversion
<b>Input</b>	
Nominal voltage	200-240VAC
Voltage range (low-line transfer)	175VAC / 155VAC / 135VAC / 125VAC $\pm$ 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)	300VAC $\pm$ 3%
Voltage range (high line comeback)	High line transfer voltage - 10V
Frequency	40Hz-70Hz
Power factor	0.99 at 100% load
Total harmonic distortion (THD)	$\leq$ 5% at 100% load THDU $<$ 1.6%
AC plug style	IEC C20
<b>Output</b>	
Nominal voltage	200/208/220/230/240VAC
AC voltage regulation (battery mode)	$\pm$ 1%
Frequency (synchronized range)	47-53Hz at 50Hz system / 57-63Hz at 60Hz system
Frequency (battery mode)	50Hz $\pm$ 0.1Hz or 60Hz $\pm$ 0.1Hz
Power factor	1
Efficiency (AC mode)	$\geq$ 90%
Efficiency (battery mode)	$\geq$ 88%
Overload	AC mode: 100%-110%: 10min / 110%-130%: 1min / $>$ 130%: 1sec Battery mode: 100%-110%: 30sec / 110%-130%: 10sec / $>$ 130%: 1sec
Transfer time (line to battery)	0ms
Transfer time (inverter to bypass)	4ms
Crest ratio	3:1 (max)
Harmonic distortion	$\leq$ 2% THD (linear load) / $\leq$ 4% THD (non-linear load)
Waveform	Pure sine wave
Total outlets	8 (IEC C13) 1 (IEC C19)
<b>Battery</b>	
Battery type and quantity	12V/ 9Ah (6)
Recharge time	3 hours to 90% capacity
Charging current	2A $\pm$ 10% (default) / 8A $\pm$ 10% (max)
Charging voltage	82.1VDC $\pm$ 1%
<b>Communications</b>	
LCD display	Graphical LCD with blue backlight
Audible	Battery mode: Sounds every 5 seconds Low battery: Sounds every 2 seconds Overload: Sounds once every 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	-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

MPN	FDC-3012-R-I
<b>Physical appearance</b>	
Dimensions	17.3x3.5x24.8in
Weight	60.6lb
Cord length	6ft
<b>Additional information</b>	
Warranty	2 years

