

## FDC-103K

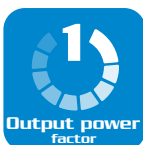
Atlas online series is designed to provide the highest level of protection for critical mission equipment against the widest spectrum of power problems and failures.



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

### Highlights

- Online UPS with true double-conversion topology
- Output power factor of 1
- Simplified monitoring with state-of-the art LCD display
- Programmable power management outlets
- SNMP slot for network and sensor expansion
- Scalable runtime capability through an optional external battery module
- Environmentally friendly ECO mode of operation
- Emergency power off function EPO
- Controlled by a technologically-advanced microprocessor
- Includes ForzaTracker, a power monitoring and management software
- Generator compatible
- Pure sine wave output



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

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

MPN	FDC-103K
<b>General</b>	
Capacity	3000VA/3000W
Topology	Double conversion
<b>Input</b>	
Nominal voltage	100-127VAC
Voltage range (low line transfer)	87VAC / 77VAC / 67VAC / 62VAC $\pm$ 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 - 10V
Frequency	40-70Hz
Power factor	$\geq$ 0.99 at 100% load
Total harmonic distortion (THD)	$\leq$ 4% at 100% load THDU < 1.6%
AC plug style	L5-30P
<b>Output</b>	
Nominal voltage	100/110/115/120/127 VAC
AC voltage regulation (battery mode)	$\pm$ 1%
Frequency (synchronized range)	46-54Hz at 50Hz system / 56-64Hz at 60Hz system
Frequency (battery mode)	50Hz $\pm$ 0.1Hz or 60Hz $\pm$ 0.1Hz
Power factor	1
Efficiency (AC mode)	> 91%
Efficiency (battery mode)	> 90%
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	$\leq$ 1% THD (linear load) / $\leq$ 4% THD (non-linear load)
Waveform	Pure sine wave
Total outlets	8 (5-20R) 1 (L5-30R)
<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	82VDC $\pm$ 1%
<b>Communications</b>	
LCD display	Graphical LCD with blue backlight
Visual indicators	Status LEDs
Audible	Battery mode: Sounds every 5 seconds Low battery: Sounds every 2 seconds Overload: Sounds 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°
Relative humidity	20-90% non-condensing
Operating altitude	<1000m Every 100m above 1000m decreases output power 1% up to 4000m
Audible noise	<58dB at 1 meter

MPN	FDC-103K
<b>Physical appearance</b>	
Dimensions	16.6x7.5x12.5in
Weight	61.7lb
<b>Additional information</b>	
Warranty	2 years

