

FDC-110KMR-ISO

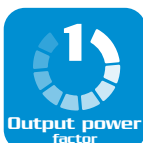
The Atlas modular rack series is designed to provide the reliability and flexibility you need to easily accommodate current and future demands of complex IT infrastructures.



The Forza Atlas series is a modular rackmountable online uninterruptible power supply (UPS) uniquely designed to meet the ever changing demands of data centers, networks, and call centers. Built for easy deployment, the Atlas series is a scalable and flexible solution that combines the highest level of reliability with the lowest cost of ownership in the 18KVA to 30KVA range. The ability to configure the Atlas series in parallel adds redundancy to power infrastructures, reducing the overall risk which has led to the common practice of protecting valuable equipment.

Highlights

- 10,000VA/10,000W capacity
- Rack mountable/Tower conversion
- Online UPS with double-conversion topology
- DSP technology guarantees high performance
- Output power factor of 1
- Wide input voltage range (110V-300VAC)
- High efficiency design
- Active input power factor correction of 0.99
- 50Hz/60Hz frequency converter mode
- Environmentally friendly ECO mode of operation
- Emergency power off function EPO
- Generator compatible
- SNMP/USB/RS-232 communication ports
- Expanded capacity up to 30KVA
- Extended runtime with optional battery banks
- 3-stage extended charging design for optimized battery performance
- Built-in maintenance bypass available
- Optional N+X parallel redundancy
- Fire-retardant construction



10000VA

PROTECTION LEVEL 6

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

MPN	FDC-110KMR-ISO
General	
Capacity	10,000VA/10,000W
Topology	Double conversion
Input	
Nominal voltage	110-300VAC
Voltage range (low line transfer)	176VAC / 140VAC / 110VAC \pm 3% (based on load percentage 100%-80% / 80%-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	46-54Hz at 50Hz system / 56-64Hz at 60Hz system
Power factor	\geq 0.99 at 100% load
Total harmonic distortion (THDi)	<4% at 100% load / <6% at 50% load
AC plug style	Hard wired
Output	
Nominal voltage	Standard operation: 208/220/230/240VAC With step-down isolation transformer: 104/110/115/120VAC
AC voltage regulation (battery mode)	\pm 2%
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)	0ms
Crest ratio	3:1 (max)
Harmonic distortion	\leq 2% THD (linear load) / \leq 6% THD (non-linear load)
Waveform	Pure sine wave
Type of outlet	Terminal block
Battery	
Battery type and quantity	12V / 9Ah (20)
Recharge time	7 hours to 90% capacity
Charging current	1A \pm 10% (max) standard model / 4A \pm 10% (max) long-run model
Charging voltage	273VDC \pm 1%
Communications	
LCD display	Graphical LCD with blue backlight
Visual indicators	Status LEDs
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
Special features	
"Cold start" option	Included
Auto charge	Included
Environment	
Operating temperature	32°F-104°F
Storage temperature	UPS: -5°F-140°F Battery: 32°F-95°F
Relative humidity	20-90% non-condensing
Operating altitude	<1000m Every 100m above 1000m decreases output power 1% up to 4000m
Audible noise	<55dB at 1 meter

MPN	FDC-110KMR-ISO
Physical appearance	
Housing	ABS and metal
Color	Black
Dimensions	UPS unit [2U]: 23.6x17.2x3.5in Battery pack [3U]: 23.6x17.2x5.2in Step-down isolation transformer [3U]: 22.8x17.2x5.2in
Weight	UPS unit: 44.1lb Battery pack: 138.9lb Step-down isolation transformer: 198.4lb
Additional information	
Warranty	2 years

