



POWERKINETICS MARATHON

LINE-INTERACTIVE LONG DURATION BACKUP POWER
FOR APPLICATIONS : 500VA TO 2KVA



- ✓ Long backup time for extended operation
- ✓ Modular design allows for expansion
- ✓ Choice of built-in battery or external battery operation
- ✓ Built-in voltage regulator and lightning surge suppressor
- ✓ Built-in noise filter



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MARATHON



US1052C with three US1052CX total rating 2000VA



US1052C with two 12V 24AH maintenance-free batteries



US1052CX expansion module with two 12V 24AH maintenance-free batteries



US1053C* with cables for external battery connection



US1053CX* expansion module for external battery connection

Line-interactive long backup time power supply for adverse environment

The Marathon series of UPS (Uninterruptible Power Supply) can provide very long backup time. It is an ideal backup power for computers and office equipment in remote areas where generator set is commonly used or in areas with frequent power outage.

There are two configurations to choose from; one has built-in maintenance-free rechargeable batteries, the other comes with a set of cables that can be connected externally to an ordinary 12V car battery.

The Marathon series is modular with each module rated for 500VA. Expansion units can be added to increase the backup time or to increase the power rating to a maximum of 2000VA.

Each unit has a built-in high-power automatic charger to recharge the battery when normal power supply resumes. A voltage regulator is included to allow the Marathon series to operate in regions where the voltage fluctuates widely.

A PC interface port is available to allow for automatic unattended shutdown of a computer when used with the optional cable and MonUps software (for Windows OS only).

Autonomy Run Time - US1052C/CX**					
Load		US1052C	US1052C + 1 unit of US1052CX	US1052C + 2 units of US1052CX	US1052C + 3 units of US1052CX
VA	Watt				
100	60	6.5 hrs	10.5 hrs	12.5 hrs	14.5 hrs
200	120	4 hrs	6.5 hrs	8.5 hrs	10.5 hrs
250	150	3 hrs	5.5 hrs	7.5 hrs	9 hrs
300	180	2.5 hrs	5 hrs	6.5 hrs	8 hrs
400	240		4 hrs	5.5 hrs	6.5 hrs
500	300		2.5 hrs	4 hrs	5.5 hrs
600	360		2 hrs	3.5 hrs	4.5 hrs
700	420			2.5 hrs	4 hrs
800	480			2.5 hrs	3.5 hrs
900	540			2 hrs	3 hrs
1000	600				2.5 hrs
1100	660				2.5 hrs
1200	720				2 hrs

External Battery AH* vs Run Time - US1053C/CX**				
Backup Time	US1053C	US1053C + 1 unit of US1053CX	US1053C + 2 units of US1053CX	US1053C + 3 units of US1053CX
1 hr	21AH	42AH	63AH	84AH
2 hrs	42AH	84AH	126AH	168AH
3 hrs	63AH	126AH	189AH	252AH
4 hrs	84AH	168AH	252AH	336AH
5 hrs	105AH	210AH	315AH	420AH
6 hrs	126AH	252AH	378AH	504AH

* External batteries are not supplied with US1053C/CX. Minimum battery AH required to achieve the stated backup time. Choose the nearest battery rating available in the market.
 ** Backup time is for reference only. Actual duration may vary depending on temperature, battery condition and peripherals added. Recommended not to connect more than 60% load to a single UPS.

Specifications

MODEL	US1052C/CX	US1053C/CX
Load Range	500VA per module, expandable up to 2000VA	
Nominal Input Voltage	220 / 240V AC	
Input Voltage	170V to 270V AC	
Input Frequency	50Hz	
Output Waveform	Stepwave in battery mode	
Control Method	PWM (Pulse Width Modulation)	
Warning System	2-stage beeping sound to indicate power failure and low battery	
Noise Filtering	Capacitive filter	
Voltage Surge Suppressor	Metal oxide varistor	
Surge Capability	195 Joules, 4500 Amp (8 x 20 microseconds)	
Ambient Temperature	25°C ±10°C	
Humidity	< 90% without condensation	
Altitude	< 1000m above sea level	
Dimension (WxHxD) mm	226 x 550 x 163	226 x 310 x 163
Weight (Kg)	35	10.5

Specifications are subject to change without prior notice.

