



APC Back-UPS 500, 230V
Part Number: BK500EI

[Technical Specifications](#) [Product Overview](#) [Documentation](#) [Software & Firmware](#) [Options](#) [Ratings and Reviews](#)

Output

Output Power Capacity	300 Watts / 500 VA
Max Configurable Power	300 Watts / 500 VA
Nominal Output Voltage	230V
Output Frequency (sync to mains)	47 - 63 Hz
Topology	Standby
Waveform Type	Stepped approximation to a sine wave
Output Connections	(1) IEC 320 C13 (Surge Protection) (3) IEC 320 C13 (Battery Backup) (2) IEC Jumpers (Surge Protection)



Input

Nominal Input Voltage	230V
Input Frequency	50/60 Hz +/- 3 Hz (auto sensing)
Input Connections	IEC-320-C14 inlet
Cord Length	1.83 meters
Input voltage range for main operations	180 - 266V
Input voltage adjustable range for mains operation	160 - 300V
Maximum Input Current	7A

Input Breaker Capacity

7 A

Batteries & Runtime

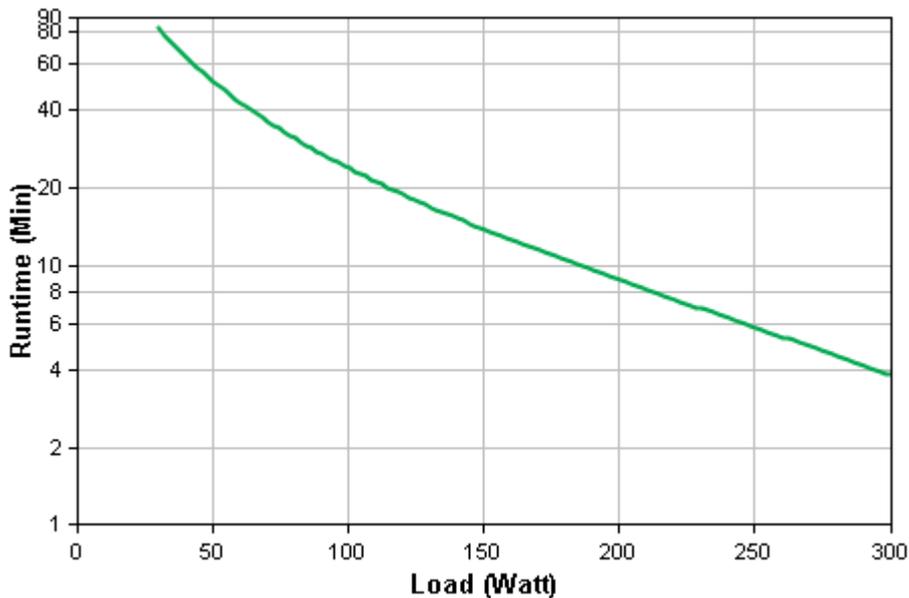
Battery Type Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof

Typical recharge time 8 hour(s)

Replacement Battery [RBC2](#), [RBC2J](#)

RBC™ Quantity 1

Runtime Graph



Hover over the line on the graph above to view the runtime at any desired load

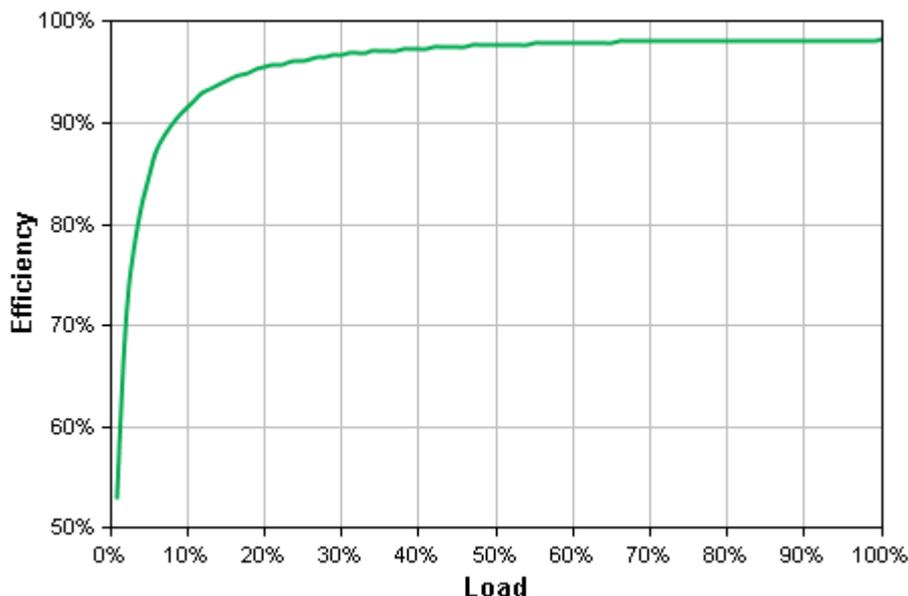
Curve fit to measured runtime data. All measurements taken with new, fully charged batteries, at typical environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

[View Enlarged Graph](#)

[View Runtime Chart](#)

Energy Use/Efficiency

Load	Efficiency
25%	96.2%
50%	97.7%
75%	98.1%
100%	98.2%



Hover over the line on the graph above to view the efficiency at any desired load

Curve fit to measured efficiency data. All measurements taken in normal operating mode, at typical environmental conditions, with nominal electrical input and balanced resistive load (PF = 1.0) output.

[View Enlarged Graph](#)

Communications & Management

Interface Port(s)	Optional Simple Signalling RS232 cable, USB
Control panel	LED status display with On Line : On Battery : Replace Battery and Overload indicators
Audible Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm

Surge Protection and Filtering

Surge energy rating	310 Joules
Filtering	Full time multi-pole noise filtering : 5% IEEE surge let-through : zero clamping response time : meets UL 1449
Data Line Protection	Analog phone line for phone/fax/modem/DSL (RJ-45 connector)

Physical

Maximum Height	165.00 mm
Maximum Width	91.00 mm
Maximum Depth	284.00 mm
Net Weight	6.32 KG
Shipping Weight	7.05 KG
Shipping Height	178.00 mm
Shipping Width	241.00 mm
Shipping Depth	368.00 mm
Master Carton Units	1.00
Color	Beige
SCC Codes	107 31304 01635 6
Units per Pallet	48.00

Environmental

Operating Environment	0 - 40 °C
Operating Relative Humidity	0 - 95%
Operating Elevation	0-3000 meters
Storage Temperature	-15 - 45 °C
Storage Relative Humidity	0 - 95%
Storage Elevation	0-15000 meters

Audible noise at 1 meter from surface of unit 40.00 dBA

Online Thermal Dissipation 24.00 BTU/hr

Conformance

Regulatory Approvals C-tick, CE, EN 50091-1, EN 50091-2, GOST, VDE

Standard Warranty 2 years repair or replace

Sustainable Offer Status

RoHS Compliant

REACH REACH: Contains No SVHCs

**The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.