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K-Battery Rechargable

The K-Battery Rechargable is a leader in the asset tracking industry, is a compact, IP67-rated asset featuring a large rechargeable battery, designed to last for months with just one position update per day. With global connectivity and BLE 4.2, it efficiently transmits a wide range of sensor data to your backend server, making it a versatile and multi-purpose tracking device. It provides real-time alerts for any irregularities, including location changes or impacts, and generates detailed reports, ensuring you stay informed at every step. It offers powerful tracking and monitoring for all your asset and cargo management needs.

Measured Values:

- GPS
- Location
- 1 Digital Input &1 Digital Output
- Easy Magnetic Install
- Low Power Consumption
- Rechargeable Battery

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General Specifications

Battery	Operation Voltage	3.7-4.2V
	Type	LI-PO Boston Power (5000mAh) (Opt)
Power Consumption	Communication Modes	50µA 3.7V (Sleep)
	Location Technology	50mA 3.7V (Active Tracking)
	Backup Battery	LI-PO 5000mAh -Battery Recharging Range is 0 to +45ºC
General	Communication Modes	GPRS, HSPA, LTE and TCP/UDP/SMS
	Location Technology	56 Channels GPS
	Operating Voltage	4.5~6V DC
	Status LEDs	GPS,Cellular,Power
	Bluetooth	BLE 4.2 (Optional)
Cellular	Data Support	SMS, TCP, UDP
	LTE CAT1	B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 66
	LTE Power	Class 5 (20dBm)
	LTE Data Rate	CAT-1: DL: 10Mpbs, UL: 5Mbps
	GSM	850/900/1800/1900 Mhz
	GSM Power	Class 10
	SIM Card	1.8/3.3 V
Dimensions	Dimensions	100(L) x 55(W) x 32(H)mm
	Weight	260.5g (with Lithium battery) 260g (With CR123 battery)
GPS	Location	GPS Engine GPS/Glonass/Galileo/BeiDou GPS/QZSS L1 C/A, Glonass L1OF
	Concurrent GNSS	BeiDou B1, Galileo E1 B/C SBAS L1 C/A: WAAS, EGNOS, MSAS, GAGAN
	Update Rate	3
	Channels	1 Hz
	Tracking sensitivity	56
	Cold Start	-167dBm
	Open Sky	30S
	Aided Start	2S
	Reacquisition	1S
	Assisted GPS	Supported
		Patch Internal
Interface	Charging Cord	2 point charging Cord
	Digital Inputs & Outputs	1 Digital input & 1 Digital output
	Serial Port	1 Serial port(TTL)
Connectors	Connector Type	6 Pin
	USB	1 USB (configuration/debug/optional)
	GPS Antenna	Internal
	GSM Antenna	Internal
	SIM Card	Internal (4FF)
Environmental	IP Rating	IPX7
	Operating Temperature	-40 ~ +70°C (CR123 Battery) -40 ~ +70°C (Rechargeable Battery)
	Humidity	100%RH @ 50°C non-condensing
	Shock & Vibration	U.S. Military Standards 202G and 810F, SAE J1455
	EMC/EMI	SAE J1113; FCC–Part 15B
	RoHS	Compliant (Optional)
On Board	CPU	ARM Cortex M3
	Flash Memory	4Mbit (8000 records)
	3D Accelerometer	On Board