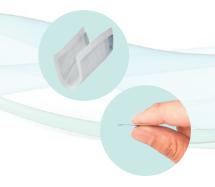
Air Patch Battery



Thin flexible battery



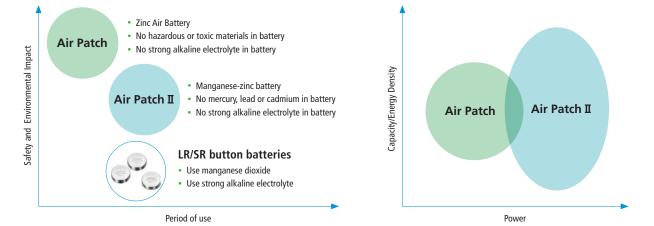


Air Patch Battery is a next-generation thin flexible battery with enhanced safety and reduced environmental impact. It comes in a more environmental load and safety conscious type (AP), and a high-power type (API) that can be used for long periods of time.

Features

- Does not incorporate hazardous or toxic materials (mercury, lead, cadmium, lithium, KOH (strong alkali), or organic solvents)
- Disposable (one-time use)
- Lightweight, thin, and flexible (can be used in thin devices and curved components)
- High capacity and high energy density (two to five times or more as high as a manganese-zinc sheet battery
 with typical aqueous electrolyte solution*1)
 *1: Volumetric energy density (depending on battery size), according to a June 2023 Maxell survey

Air Patch Battery Series Technology Portfolio



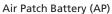
Applications



Specifications









Air Patch Battery II (AP II)

	Air Patch Battery (AP)			Air Patch Battery <u>I</u> I (AP <u>I</u> I)				
Model Name	AP071520	AP092530	AP095055	AP II 052530	AP II 082530	AP II 112530	AP II 085055	AP II 115055
Dimensions (mm)	15×25×0.75	25×30×0.95	50×55×0.95	25×30×0.55	25×30×0.8	25×30×1.1	50×55×0.8	50×55×1.1
Typical Capacity (mAh)	10	40	250	5	18	36	150	300
Typical Voltage (V)	1.2			1.5				
Energy Density (Wh/L)	53	67	114	18	45	65	102	149
Note	Made with increased consideration for environmental load and safety			Can be used for a long time*1 High output*2				

- *1 Can be used for a long time: 1 year of use, when AP II 082530 is used with a load of average current consumption of 2µA at 20 deg. C. This depends on storage conditions, usage conditions, and battery product name (typical capacity).
- *2 High output: When AP II 082530 is discharged with a current of 50mA (maximum discharge peak current) for 10msec at intervals of 3sec at 20 deg. C. This depends on usage conditions and battery product name (typical capacity).
- The Air Patch Battery Series are developmental products and their data and safety are not guaranteed.
- Specifications and appearance are subject to change without notice.
- Air Patch is a registered trademark of Maxell, Ltd. in Japan. Registration No. 6142395





