



# ZENTRUM

WE PROVIDE SOLUTION FOR WEARABLE DEVICES

## Company introduction

Zenturm has built up a flexible battery based on years of accumulated battery know-how, and has excellent durability and stable performance in repeated bending and stretching environments. Did not you find a product that meets your needs in an off-the-shelf product? Looking for a flexible battery for your specific application? Zenturm can help! Zenturm's professional engineers are ready to develop tailor-made items that meet customer needs.

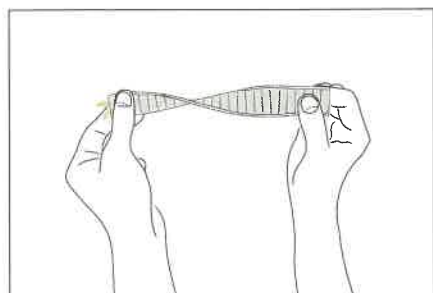
젠텀은 수년간 축적된 배터리 노하우로 유연한 배터리를 개발하여, 반복적인 구부림과 펼침에도 놀라운 내구성과 안정성을 지닌 기술력을 보유하고 있습니다. 규격품 중 당신의 니즈에 맞는 제품을 찾지 못하셨나요? 특정한 목적을 위해 유연한 배터리를 찾고 계신가요? 젠텀이 도와드리겠습니다! 젠텀의 전문적인 기술자들은 고객의 니즈에 맞는 제품을 개발하기 위해 준비되어 있습니다.



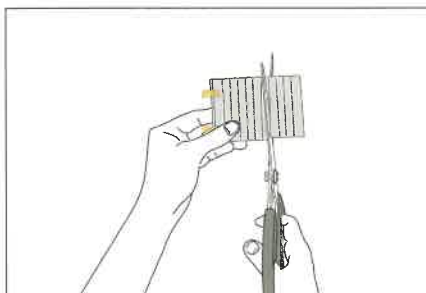
## Product features

Zenturm flexible battery, breaks away from the old conventions of battery, Battery which is safe despite bending or cutting

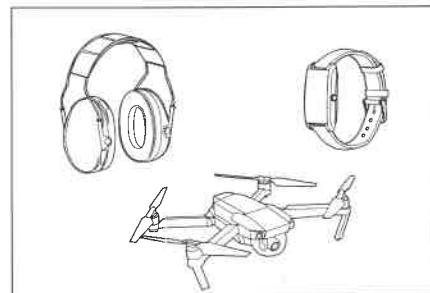
젠텀 플렉시블 배터리, 배터리의 상식을 깨다. 휘어져도, 잘려도 안전한 배터리



it does not break from bending  
구부리거나 휘어져도 파손되지 않습니다.



it is as safe as it can be cut and used  
커팅이 되어도 과열되거나 폭발하지 않습니다.



It is applicable to other products where  
ordinary batteries cannot be inserted  
기존 배터리에 사용이 불가능한 제품에도  
사용이 가능합니다.

## Examples of available devices

Headset / VR / AR / Smart watch / Armband / Ultra light secondary battery / All wearable devices /  
Any space other customers want to use

헤드셋 / VR / AR / 스마트 시계 / 암밴드 / 초경량 2차 전지 / 모든 웨어러블 장치 /  
고객이 사용하고자 하는 모든 제품에 적용이 가능합니다.



### Do you need a custom flexible battery?

Zenturm has the expertise and manufacturing resources required for custom design, prototype and battery design to meet your project requirements. Communicate with our technicians to buy the batteries you need. Please contact us if you need customized products.

젠텀은 당신의 프로젝트 요구 사항을 충족하기 위해 맞춤형 디자인, 프로토타입 및 배터리 설계에 필요한 전문지식과 제조 리소스를 갖추고 있습니다. 당사 엔지니어와 협의를 통해 필요한 제품을 구입하세요.

### Coverage

- applicable to areas where ordinary batterie can not be inserted
- Applicable to flexible parts

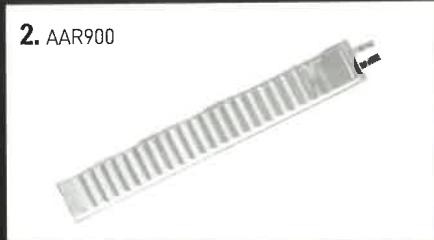
- 일반 배터리 사용이 불가능한 제품에 적용
- 유연한 부품에 적용 가능

## Nominal Specification

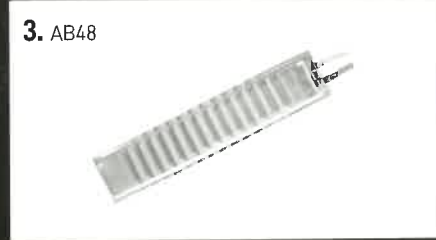
1. AH28261830650



2. AAR900



3. AB48



4. AC650



5. AB21260820135



6. AVR1750



1. Capacity (Nominal/Minimum)	740mAh / 600mAh
Voltage (Nominal)	3.7V
Dimension (HxWxL)	2.8 x 26.0 x 183.0
Weight (g)	17.5 ± 0.5g
Charge Condition	Nomal Current(Max) : 0.2C (0.5C) CC - CV : 4.2V Cut - off Current : 0.05C
Discharge Condition	Nomal Current (Max) : 0.2 (1.0C) Cut - off Current : 2.8V
Operating Temperature	Charge : 0 to +45 °C : 0 to +45 °C Discharge : -20 to +60 °C : -20 to +60 °C
Bending Cycles @ R35~R75	< 3000 times

2. Capacity (Nominal/Minimum)	900mAh / 810mAh
Voltage (Nominal)	3.8V
Dimension (HxWxL)	3.3 x 26.0 x 184 .0
Weight (g)	21.3 ± 0.5g
Charge Condition	Nomal Current(Max) : 0.2C (1.0C) CC - CV : 4.35V Cut - off Current : 0.05C
Discharge Condition	Nomal Current (Max) : 0.2 (1.0C) Cut - off Current : 2.8V
Operating Temperature	Charge : 0 to +45 °C : 0 to +45 °C Discharge : -20 to +60 °C : -20 to +60 °C
Bending Cycles @ R72~R98	< 3000 times

3. Capacity (Nominal/Minimum)	48mAh / 44mAh
Voltage (Nominal)	3.7V
Dimension (HxWxL)	1.8 x 18.0 x 80.0
Weight (g)	2.4 ± 0.5g
Charge Condition	Nomal Current(Max) : 0.2C (0.5C) CC - CV : 4.2V Cut - off Current : 0.05C
Discharge Condition	Nomal Current (Max) : 0.2 (1.0C) Cut - off Current : 2.8V
Operating Temperature	Charge : 0 to +45 °C : 0 to +45 °C Discharge : -20 to +60 °C : -20 to +60 °C
Bending Cycles @ R25~R38	< 3000 times

4. Capacity (Nominal/Minimum)	650mAh / 600mAh
Voltage (Nominal)	3.7V
Dimension (HxWxL)	2.7 x 61.0 x 87.0
Weight (g)	17.6 ± 0.5g
Charge Condition	Nomal Current(Max) : 0.2C (0.5C) CC - CV : 4.2V Cut - off Current : 0.05C
Discharge Condition	Nomal Current (Max) : 0.2 (1.0C) Cut - off Current : 2.8V
Operating Temperature	Charge : 0 to +45 °C : 0 to +45 °C Discharge : -20 to +60 °C : -20 to +60 °C
Bending Cycles @ R140	< 3000 times

5. Capacity (Nominal/Minimum)	135mAh / 120mAh
Voltage (Nominal)	3.7V
Dimension (HxWxL)	2.1 x 26.0 x 82.0
Weight (g)	4.7 ± 0.5g
Charge Condition	Nomal Current(Max) : 0.2C (0.5C) CC - CV : 4.2V Cut - off Current : 0.05C
Discharge Condition	Nomal Current (Max) : 0.2 (1.0C) Cut - off Current : 2.8V
Operating Temperature	Charge : 0 to +45 °C : 0 to +45 °C Discharge : -20 to +60 °C : -20 to +60 °C
Bending Cycles @ R25~R38	< 3000 times

6. Capacity (Nominal/Minimum)	2000mAh / 1600mAh
Voltage (Nominal)	3.8V
Dimension (HxWxL)	3.7 x 30.0 x 263.0
Weight (g)	40.0 ± 0.5g
Charge Condition	Nomal Current(Max) : 0.2C (0.5C) CC - CV : 4.35V Cut - off Current : 0.05C
Discharge Condition	Nomal Current (Max) : 0.2 (1.0C) Cut - off Current : 2.8V
Operating Temperature	Charge : 0 to +45 °C : 0 to +45 °C Discharge : -20 to +60 °C : -20 to +60 °C
Bending Cycles @ R72~R98	< 3000 times