
ENW ENERGY

ENERGY

Contents

“Seeking ways to overcome barriers to entering the US market”

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1. Company Profile

Company History

2006. Established corporation

2011. **World-First** succeeded in **zinc-air battery powered EV drive test (307km)**

2015. **Awarded Prime Minister's Technology Grand prize**

2015. **First delivery** of communication radio use zinc-air battery to the **Ministry of National Defense of South Korea**

2015. **World-First export of emergency use zinc-air battery to Japan (1 million USD)**

Zinc Air Battery by EMW Energy

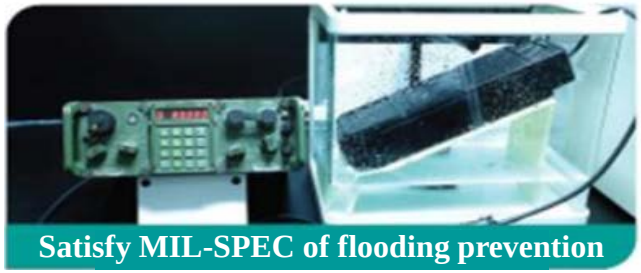
Exclusive by EMW Energy

1. **SECOND IN THE WORLD** to have developed high-output zinc-air battery
2. **WORLD FIRST EMERGENCY USE** high-output zinc-air battery
3. **IN-HOUSE MANUFACTURING PROCESS** from mixing raw material to product
4. **COMPLETELY EXCLUSIVE TECHNOLOGY** with over 60 patents worldwide

2. Technical Capabilities & Main Product

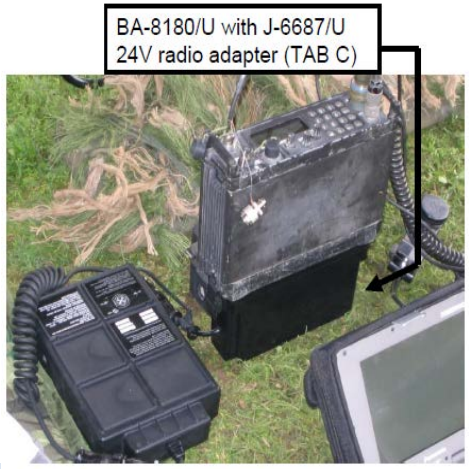
Non-explosive Zinc Air Primary Battery


Do not explode when damaged


Satisfy MIL-SPEC of flooding prevention


Wide operational temperature rang

Type I **Type II**



- **Non-explosive** even under shock, vibration, short-circuit, over-discharge and gunshot
- Does not contain **restricted materials** such as lead, mercury and radioactive substances
- **No self-discharge** when air-sealed

3. Difficulties in approach to US military equipment

Compatible US military equipment with Zinc Air Battery

Lack of information

- **Dimension, Weight, Voltage/Current, Capacity**
- **Performance Test Criteria**
- **Pin Configuration**
- **Certification Procedures**

Javelin CLU

SINCGARS

M-22 ACADA

SATCOM/HF

AN/PRC-117G

MBITR

4. Suggestion to US Military and contractors

Sharing information for required products between ROK and USA

BA-8140/U **BA-8180/U**

- Sharing related **specification and list** of required and available products between ROK and USA
- **Mil-Spec standards** such as dimension, weight, voltage/current, capacity, power consumption, connector, pin configuration for each equipment, etc.
- **Performance certification procedures** for related forms, institutions, standards, law, etc.
- Offering an opportunity of **being tested** by the US military with our products or **information for testing** on our own
- **Advance notice** of US military hardware required for development in future
- Opening of an **on-line commercial service website**

5. Benefits to both USA and ROK

I. Benefits to USA

- **Diversification** of vendors
- Being supplied for equivalent or superior products in performance currently used at lower price and **reducing costs**
- **Securing stable and continuous supply** from ROK vendors who can afford to establish a local subsidiary and factory production lines in USA
- Using ROK **exclusive technology & products** first

II. Benefits to ROK

- Entering into the **US market**
- **Enhancement of competitive power** in the worldwide market
- **Research & development** for various products
- Having an opportunity to inform **the excellence of ROK products**

6. Conclusion

By offering related information for US military specification to ROK vendors at an acceptable level, the US military and contractors can acquire products with **lower cost and better quality.**

1. ***Sharing information for related specification and list of products required by the US military.***
2. ***Offering US Mil-Spec standards for development and performance testing***


Thank You!