



MPGA
METHYLATED POLYGLYCOLIC ACID BATTERY
ECOLOGICAL BATTERY
Pioneering Motion Across Time

“The New Origin”

WE ARE UNLEASHING **THE ESSENCE OF PROMISES** FOR A **BOUNDLESS FUTURE**

Weight/Volume **40%**

Lithium-Ion Battery: **4-7Kg/KWh**
MPGA Battery: **2.3Kg/KWh**
Nearly Twice Less Weight and Volume

Sustainability **X2+**

Power Density for
Lithium-Ion Battery: **250-300Wh/L**
MPGA Battery: **625Wh/L**

Temperature Affect **0%**

Lithium-Ion Battery: **0 to 40°C**
MPGA Battery: **-20 to 120°C**
100% Safe: **Non-Explosive**

Charging Cycle **1,400%+**

Per Each Battery Pack
Lithium-Ion Battery: Max. **2,500 cycles**
MPGA Battery: avr. **40,000+ cycles**

Size Up to **10m**

Formation: **Hard Gel**
Miniaturization and Deformation **OK**
Shape Variation: **NO LIMIT**

Eco-Friendly **100%**

Lithium-Ion Battery: **Hazardous**
MPGA Battery: **Fully Ecological**
100% Environmentally Friendly

Battery Life **20+** Years

Lithium-Ion Battery: **5 to 10 Years**
MPGA Battery: More than **20 Years**
100% Safe Material for Explosion

Material Supply **Infinite**

Lithium-Ion Battery: **Limited Supply**
MPGA Battery: Composit PGA from **Natural Oil**
100% Natural Resources

Applied Area Electric Vehicles / Drone / Airplane / Boat / ESS / Home Appliances / Power Grid / Military Equipments & more



AISS / Automatic Interchangeable Self-Charging System

MPGA batteries provide a compact and high-density energy solution, significantly minimizing space requirements compared to conventional Drone-Car batteries. The optional integration of **AISS** and **Dual MPGA Battery** setup enhances user experience by providing users with prolonged functionality and rare recharging needs. The AISS efficiently alternates between the batteries, extending lifespan and optimizing efficiency for various applications in both battery-powered and connected to a standard power supply and represents an efficient, sustainable energy choice with extended discharge time.

www.MPGABattery.com