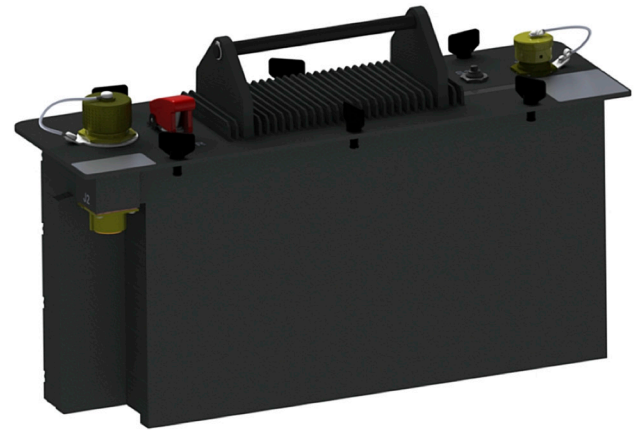




# TOW M220 Integrated Master Battery

**The TOW M220 system, a legacy anti-armor weapon system, was initially developed in the 1960s. Because of its ruggedness, reliability, and lethality, it is one of the more sought after anti-armor weapon systems. The TOW M220 system is used extensively by foreign militaries allied with the United States.**



*U.S. Patent Nos. 10,958,070 and 11,196,353*

HII, in cooperation with the U.S. Army Close Combat Weapon System Project Office and Defense Logistics Agency, developed the Integrated Master Battery (IMB) System to address the challenge of supporting Foreign Military Sales (FMS) systems which are no longer in the U.S. Military inventory by eliminating and updating obsolete components and significantly reducing overall system size and weight of the entire M220 System. Of particular importance is the reduction in battery subsystem procurement, operational and logistics support costs, and a condensed operational footprint. The IMB's design integrates the functions of eight current TOW M220

power and maintenance components needed for operation into a single unit. Specifically, the IMB replaces two battery assemblies, the TOW Vehicle Power Conditioner (TVPC), the MGS Battery Charger and the associated monitoring unit, the Night Sight's Vehicle Power Conditioner (VPC), the Battery Power Conditioner (BPC) and the associated consumable battery assemblies, and the BPC spare battery case. The design also incorporates new conditioned based maintenance features such as status of battery charge, low battery charge alert, and low voltage condition alert.



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#### **ABOUT US:**

HII is an all-domain defense and technologies partner, recognized worldwide as America's largest shipbuilder. With a 135-year history of trusted partnerships in advancing U.S. national security, HII delivers critical capabilities ranging from the most powerful and survivable naval ships ever built, to unmanned systems, ISR and AI/ML analytics. HII leads the industry in mission-driven solutions that support and enable an all-domain force. Headquartered in Virginia, HII's skilled workforce is 44,000 strong. For more information please visit [HII.com](http://HII.com).

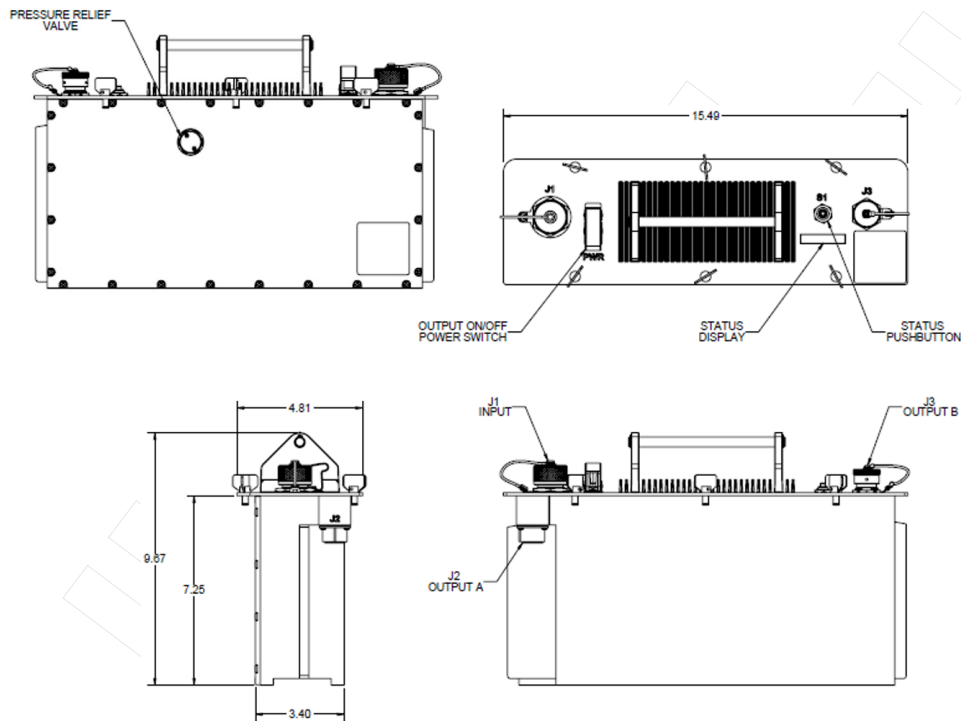
#### **Contact:**

**David Johnson**  
[david.johnson@hii-tds.com](mailto:david.johnson@hii-tds.com)  
478.225.9559

## Features

- C5I installations
- Identical form and fit as the M220 Battery Assembly, Storage, BB-287
- Integrated battery charging system via vehicle DC Power or AC/DC shore power
- Provides user with battery State-of-Charge and Fault Conditions
- Designed to meet requirements of MIL-STD-810H and MIL-STD-461G
- Multiple outputs providing simultaneous power for Missile Guidance Set Launch Control and Night Sight Operation
- Can operate launcher from energy storage or direct vehicle/shore power input for battery conservation
- Significantly reduces system footprint by eliminating other legacy TOW M220 components and accessories

## Mechanicals



U.S. Patent Nos. 10,958,070 and 11,196,353



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