



# WATTMAN BATTERY™

The HEBI “Wattman” Battery is our modular, airline-ready lithium-ion battery pack designed for robotics applications. The Wattman is currently used in HEBI kits and systems, as a standalone power supply, or can be integrated as an OEM product with your next custom robotics development project.

Each 36V 93.6Wh Wattman pack is under the 100Wh limit for lithium-ion batteries in carry-on luggage and comes UN-38.3 and CB-IEC62133 certified.



Each battery pack is equipped with a blade-type power connector, M3 mounting holes, and embossed features for maximum implementation flexibility. Built-in enable circuitry keeps the connector de-energized for storage and travel.

Each battery pack contains 10 lithium-ion cells wired in a 10S1P configuration and full protection circuitry. Integrated LEDs provide a quick charge estimate on demand. Integrated electronics provides more accurate state-of-charge information and is accessible through I2C.



# WATTMAN BATTERY – TECHNICAL SPECIFICATIONS

CONFIGURATION

HB36-93

<b>Pack Arrangement</b>	10S1P ITR18650-2600P Lithium Ion Cells
<b>Capacity</b>	93.6Wh (36V, 2.6Ah)
<b>Charge Profile</b>	1.3A (0.5C), 0 to 45°C 42V Cutoff
<b>Discharge Profile</b>	7.8A Cont. / 13A Peak, -20 to 60°C 27.5V Cutoff
<b>Connector</b>	Battery: SAMTEC MPS-06-7.70-03-L-V Mating: SAMTEC MPT-06-6.30-01-T-V
<b>Dimensions</b>	Battery: 206mm x 80mm x 25mm Battery w/ Cap: 221mm x 80mm x 25mm
<b>Mass</b>	Battery: 650g Battery w/ Cap: 700g
<p><b>Each individually purchased Wattman Battery (w/ cap) includes:</b>  <b>A-2587-01: Wattman Battery Standard Connection Kit</b>                  Additional technical documentation at <a href="https://docs.hebi.us">docs.hebi.us</a>                  Updated on Jan 26, 2024. Specifications subject to change without notice.</p>	

## Safety Information

*Lithium Ion Battery*

- Keep charged – recharge every 3-6 months*
- Do not connect unbalanced packs in parallel*
- Do not immerse in water or corrosive substances*
- Do not expose to high heat or open flames*
- Do not drop, strike, or throw the battery*



## Battery Output Pinout

- Pin 1:** OUT+
- Pin 2:** OUT-
- Pin 3:** OUT+
- Pin 4:** EN
- Pin 5:** SDA
- Pin 6:** SCL

## **Accessories**

A-2579-42-02: Battery Charger w/  
Anderson Powerpole Connectors  
Output 42V 2A



3577 Bigelow Blvd, Pittsburgh, PA 15213  
[hebirobotics.com](https://hebirobotics.com) | [info@hebirobotics.com](mailto:info@hebirobotics.com)