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

<table>
<thead>
<tr>
<th></th>
<th>HB36–93</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pack Arrangement</strong></td>
<td>I0SIP ITR18650–2600P Lithium Ion Cells</td>
</tr>
<tr>
<td><strong>Capacity</strong></td>
<td>93.6Wh (36V, 2.6Ah)</td>
</tr>
<tr>
<td><strong>Charge Profile</strong></td>
<td>1.3A (0.5C), 0 to 45°C 42V Cutoff</td>
</tr>
<tr>
<td><strong>Discharge Profile</strong></td>
<td>7.8A Cont. / 13A Peak, -20 to 60°C 27.5V Cutoff</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>Battery: 206mm x 80mm x 25mm Battery w/ Cap: 221mm x 80mm x 25mm</td>
</tr>
<tr>
<td><strong>Mass</strong></td>
<td>Battery: 650g Battery w/ Cap: 700g</td>
</tr>
</tbody>
</table>

Each individually purchased Wattman Battery (w/ cap) includes:

**A–2587–01:** Wattman Battery Standard Connection Kit

Additional technical documentation at docs.hebi.us

Updated on Jan 26, 2024. Specifications subject to change without notice.

### 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