

ENERGY STORAGE + BATTERY SYSTEMS



precisionexpedited.com

Battery hardware that scales from pilot to production.

Battery enclosures, busbars, cell holders, cooling plates, and BMS housings for energy storage programs. Precision Expedited sources CNC machining, sheet metal, injection molding, and finishing through a vetted vendor network that runs copper and aluminum to ± 0.001 " on critical features. Material certs travel with every order, and one contact plans the move from pilot builds to production.

How We Review It

Your project manager and a technical lead review every print within 24 hours. For storage hardware we check busbar plating and conductivity callouts, weld distortion on large enclosures, and gasket surfaces, then route the job to a shop sized for your pilot lot or production run.

What We Source

Matched to shops that run copper and enclosures.

- **Battery Enclosures** · Formed, welded, sealed
- **Busbars** · Copper, plated to spec
- **Cell Holders** · Molded, flame-rated resins
- **Cooling Plates** · Machined aluminum
- **BMS + Control Housings** · Machined or formed
- **Battery Trays** · Sheet metal, welded
- **Connector Bodies** · Injection molded
- **Wire Harnesses** · Built to print

Specifications

- **Tolerances:** ± 0.005 " standard, to ± 0.001 " on critical features
- **Materials:** C101 + C110 copper, aluminum, stainless, resins
- **Processes:** Sheet metal, CNC, molding, plating, assembly
- **Finishes:** Tin, nickel, and silver plating; powder coat
- **Documentation:** Material + plating certs, FAI on request
- **Quote review:** Within 24 hours

Before It's Built

Storage programs move from a handful of enclosures to production fast, and features that are easy to machine once get expensive at volume. We flag where a weldment will distort, where a copper grade change affects conductivity, and when a machined part should move to sheet metal or molding. You hear about it before the quote goes out.

Quality + Compliance

ISO 9001:2015

AS9100D Compliant

ITAR Registered

NIST 800-171 Compliant

Tolerances to ± 0.001 "

Inspection before shipment

Domestic sourcing

Built Fast. Built Right.

Send us your files.

Scan or visit precisionexpedited.com/contact

