



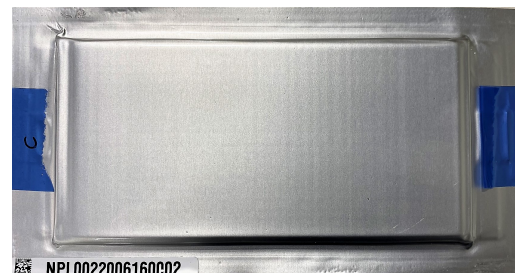
SPACE POWER SYSTEMS

All Solid-State Battery Pack (ASSB)

The Redwire Company's All Solid-State Battery (ASSB) Pack is a drop-in replacement for spacecraft power. The ASSB Pack offers a configurable, high performance power cell with unmatched mission safety. The ASSB pack provides a significant increase in energy density and volumetric efficiency, and are inherently safer and less reactive than traditional Li-ion liquid electrolyte technology.

Most battery manufacturing has moved overseas to keep up with the commercial market, destabilizing the US supply chain. Redwire has a unique partnership with a US-supplier that maintains a production line nearby in Colorado.

With world-class expertise in solar arrays, batteries, and mission systems Redwire is a premier provider for power systems, from components up to a complete EPS.



APPLICATIONS

- + Earth Orbit Missions (LEO, GEO, HEO, MEO)
- + Lunar Missions
- + SmallSat Missions
- + CubeSat Missions
- + Spaceflight Missions
- + Space Vehicle Electrical Power System
- + Customized Payload Power Solutions

PARAMETERS

Nominal Modular Building Block (coming soon)		
10 - 80° C	20Ah	28V
Operating Range	Nameplate Capacity	Nominal Voltage
350 Wh / KG ¹	24.5 - 33.6V	10.2" x 4.8" X 3.6" 26 CM x 12 CM x 9 CM
Energy Density	Voltage Range	Dimensions

Redwire Space Power Systems are export controlled through an ECCN (Export Control Classification Number) issued by the United States Department of Commerce, ECCN 7A104. Export shipment requires successful application for an export license.

¹ Cell Level



MADE IN THE USA

Copyright 02/2021 Redwire Corporation. Redwire reserves the right to make changes without further notice to any products herein. Redwire makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Redwire assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential, or incidental damages. "Typical" parameters, including "Typicals" must be validated for each customer application by customer's technical experts. Redwire does not convey any license under its patent rights nor the rights of others. Redwire products are not designed, intended, or authorized for use as components in systems or any other application in which the failure of the Redwire product could create a situation where personal injury or death may occur. Should Buyer purchase or use Redwire products for any such intended or unauthorized application, Buyer shall indemnify and hold Redwire and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such intended or unauthorized use, even if such claim alleges that Redwire was negligent regarding the design or manufacture of the part. Redwire is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not resale in any manner.



FIND OUT MORE ABOUT REDWIRE SOLUTIONS.

REDWIRESPACE.COM | @REDWIRESPACE | SALES@REDWIRESPACE.COM



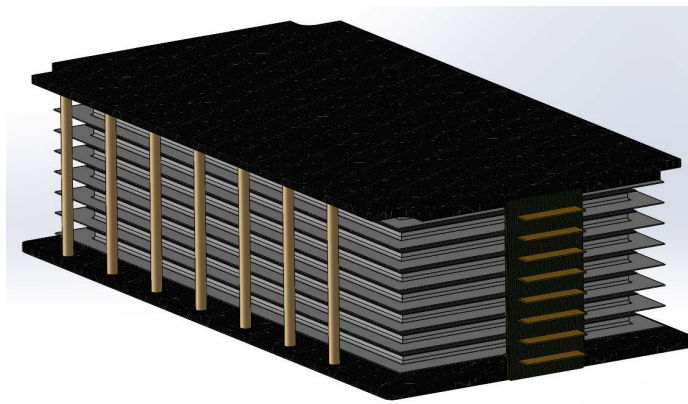
MADE IN THE USA

V5 AUG 2021

BENEFITS

Customers select the ASSB Battery Pack for space power applications because the solution offers:

- + **Low Mass** - Increased energy density of solid state batteries enables lower mass battery system.
- + **Safety** - Eliminates flammable liquid electrolyte creating an inherently safer battery system.
- + **Security** - MWh production line in Colorado is capable of serving US space & defense markets.
- + **Configurable** - 20Ah building block is modular, capable of being paralleled together for large systems. Smaller or custom packs are possible.
- + **Flight Heritage** - Upcoming flight demonstration of ASSB cell technology fully funded.



For more information about our space capabilities,

CONTACT REDWIRE SPACE SALES



HERITAGE

Redwire is a new leader in mission critical space solutions and high reliability components for the next generation space economy. With decades of flight heritage combined with the agile and innovative culture of a commercial space platform, Redwire is uniquely positioned to assist its customers in solving the complex challenges of future space missions. For more information, please visit www.redwirespace.com.

Copyright 02/2021 Redwire Corporation. Redwire reserves the right to make changes without further notice to any products herein. Redwire makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Redwire assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential, or incidental damages. "Typical" parameters, including "Typicals" must be validated for each customer application by customer's technical experts. Redwire does not convey any license under its patent rights nor the rights of others. Redwire products are not designed, intended, or authorized for use as components in systems or any other application in which the failure of the Redwire product could create a situation where personal injury or death may occur. Should Buyer purchase or use Redwire products for any such intended or unauthorized application, Buyer shall indemnify and hold Redwire and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such intended or unauthorized use, even if such claim alleges that Redwire was negligent regarding the design or manufacture of the part. Redwire is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not resale in any manner.