



12300 Grant Street
Thornton, Colorado 80241
USA

CAPABILITIES STATEMENT

PRIMARY CONTACT

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GENERAL INFORMATION

Sales@AscentSolar.com

At Ascent Solar we design, develop, and manufacture the ultimate solar technology and power solutions for remote locations and extreme environments.

Ascent Solar is revolutionizing solar technology by applying our thin film modules onto a lightweight, yet robust plastic substrate material that makes custom portable power accessible anywhere under the sun. Our capabilities range from integrated solar based portable power solutions to custom engineering and modeling services that address a wide array of power needs. Our technology represents the cutting edge of clean and portable power and can be directly integrated into defense, aerospace, and off-grid applications that produce power at the point of need without the frailty, glare and weight burden of traditional glass solar panels.

CORE COMPETENCIES

- We provide end to end services including design, development, manufacturing and support of our production-ready solar modules in our state-of-the-art headquarters just outside of Denver, Colorado
- Custom engineering and modeling services for solar integration into new or existing systems. Including, but not limited to, packaging, layout, and customer specifications
- We offer a wide range of finished and custom solar solutions for defense & aerospace applications.
- The seamless integration of our solar technology allows for increased flight time and superior power to weight ratio to keep your vehicle light. Engineered for optimal performance in sub-zero temperatures and minimal sunlight, our ultra-thin and lightweight solar modules are an ideal fit for aerospace exploration
- Our lightweight power-dense fabric integrated solar solutions have the capability of reducing the physical and power burden for the modern day war-fighter
- Packaged solar modules range from <1 to 120 Watts and <1 to 300 Volts

DIFFERENTIATORS

- Award-winning, patented, CIGS solar technology
 - Holder of 20+ patents
 - 2010 and 2015 R+D Awards
- High degree of customization capability
 - Mini-Scale modules–Unattended ground sensors
 - USB charging–Keep the modern day war-fighter powered up
 - UAS/Aerospace–Flexibility in design for different power requirements
 - Space/Near space–High-powered, space-compatible
- Lightweight, flexible, and rugged construction tailored to a wide breadth of applications
- Monolithic integration and redundant design enhances reliability and longevity
- Superior power-to-weight performance
- Over 100 years of senior leadership expertise in engineering design, development, and manufacturing

COMPANY DATA

- NAICS Codes, 334, 334413, 423, 423620, 335999
- Small Business
- Government Purchase Card Accepted
- ISO 9001, 2015 Certified
- Made in the USA
- GSA Contract Holder (GS - 07F - 037DA)
- DUNS#: 783228344
- CAGE#: 4GP59

PAST & PRESENT PERFORMANCES



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