

**70+ years** Bergstrom Inc. started in 1949 with headquarters in Rockford, Illinois, US. With over 70 years of commitment to innovation and quality, we have since grown into one of the world's leading suppliers of thermal management solutions.

Benefiting from the engineering, sourcing, test and manufacturing capabilities positioned around the globe, Bergstrom excels at designing and manufacturing both core components and the complete thermal management system. This helps us meet customers needs and earn the trust from the worlds' top companies.



## Energy Storage Thermal Management



### Vertical Integration

We design and manufacture core components in house to industry standards.  
Full traceability with world class quality.

### Robust Validation

In house state-of-the-art validation facilities and equipment ensure we build our products to meet the stringent requirements of our customers.  
Our TEC (Thermal Environmental Chamber) can simulate extreme climate conditions by controlling temperature, humidity, solar loading, and other climate conditions.

### Advanced Hardware Drive

DC inverter  
Brushless DC motor  
CAN, LIN & PWM interfaces, user friendly

### Intelligent Control Algorithm

ECO mode embedment  
Precise temperature control  
Multi-evaporator control system

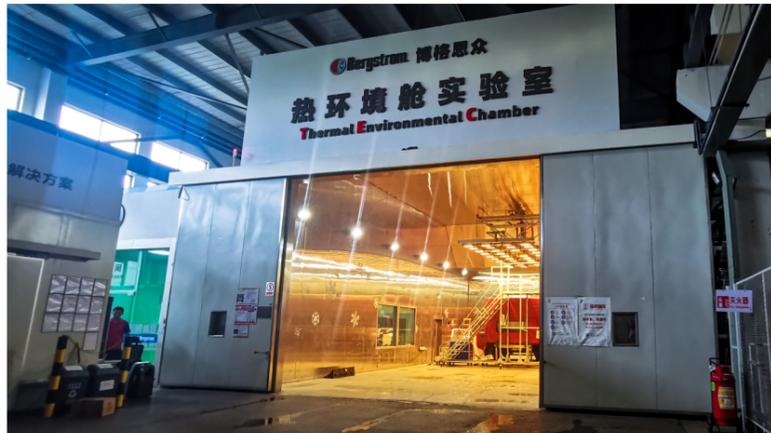
### Service Orientation

Field data access  
Real-time diagnostics  
Over-the-air programming  
Core components life monitoring

## Custom Engineered Solutions Driven by Your Timeline



[www.bergstrominc.com](http://www.bergstrominc.com)



### OUR VISION



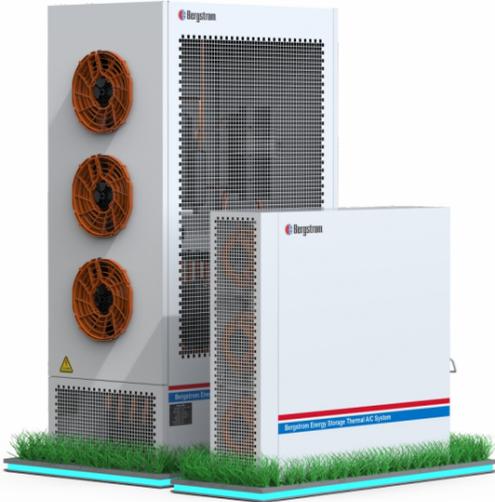
**TECHNOLOGY LEADER  
RECOGNIZED FOR  
UNPARALLELED  
SOLUTIONS IN  
THERMAL MANAGEMENT**

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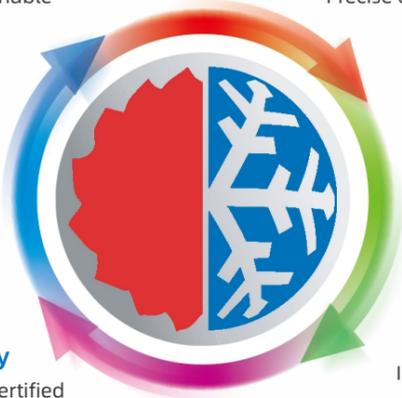
# Bergstrom Energy Storage Thermal Management Solutions

## Liquid Cooling Unit



**High Efficiency**  
Blower + coolant pump + variable speed DC compressor

**Precise Thermal Management**  
Precise control of temperature and air flow



**Built-in Reliability**  
Industry grade design, UL certified

**Ease of Installation**  
Integrated system provides ease of installation and service

## Air Cooling Unit



	Liquid Chiller 15.0KW	Liquid Chiller 8.0KW
Product Name :	Liquid Chiller 15.0KW	Liquid Chiller 8.0KW
Cooling Capacity :	15.0KW	8.0KW
Heating Capacity :	15.0KW (PTC)	8.0KW (PTC)
Coolant :	Glycol Solution	Glycol Solution
Input Power :	AC380V/3PH/50Hz	AC220V/1PH/50Hz
Communication:	RS485&Modbus	RS485&Modbus
Refrigerant :	R410A	R410A
Refrigerant Charge :	3500G	1800G
Product Weight :	180KG/400lbs	90KG/200lbs



	Air-cooled unit 4.5KW
Product Name :	Air-cooled unit 4.5KW
Cooling Capacity :	4.4KW
Heating Capacity :	4.5KW
Electric Heating Capacity :	1.5KW (PTC)
Input Power :	AC120V/1PH/60Hz, AC220V/1PH/50Hz
Communication:	RS485&Modbus
Refrigerant :	R410A
Refrigerant Charge :	1000G
Product Weight :	34KG/75lbs

