CUSTOM BATTERY ASSEMBLIES

COMPLEX BATTERY MANAGEMENT SYSTEMS

Sager Power Systems is an expert in battery design and integration. Our in-house team of engineers and battery technicians specialize in the design, development and production of custom battery assemblies and complex battery management systems (BMS). Assembled in the USA from our 47,000 sq. ft. Custom Solutions Center located in Lewisville, Texas, our team designs and produces custom portable power solutions to meet your specific needs.

Capabilities include:

- **SolidWorks 3D modeling**
- **Battery case design**
- **3D Printing**
- **Battery charging & cycling station**
- **Ultrasonic welding**
- **In-house test and qualification lab**
- **Automated wire processing**
- **Product safety testing & certification**
- **Lithium battery transportation testing**
- **Primary Safety Circuits**
  - Secondary overvoltage protection
  - Advanced safety features
  - Built-in redundancy
  - Auto temperature cut-off
  - Resettable fuse and thermistors
- **Fuel Gauging** (SMBus, I2C, HDQ, CANbus)
  - Active cell balancing
  - LED drivers and state of charge indicators
- **Semi-automated epoxy potting/ encapsulation system**

Canada
Service Center
Woodbridge, Ontario

Great Lakes
Service Center
Independence, OH

Midwest
Service Center
Bloomington, MN

Mid Atlantic
Service Center
Mount Laurel, NJ

Northeast North
Service Center
Tewksbury, MA

Northeast South
Service Center & Corporate Offices
Middleborough, MA

Northwest
Service Center
San Jose, CA

Southeast
Service Center
Lake Mary, FL

South Central
Service Center & Custom Solutions Center
Lewisville, TX

Southwest
Service Center
Santa Ana, CA

In addition to our battery capabilities, Sager Power Systems also offers power and thermal custom and value-add solutions.

Sager Electronics, a wholly owned subsidiary of TTI Inc., is a North American distributor of Interconnect, Power, and Electromechanical products and customs solutions provider. For support with any power, battery or thermal requirements, please visit Sager Power Systems at sager.com/power-systems or contact us at battery@sager.com.

SAGER ELECTRONICS | SAGER POWER SYSTEMS

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LINE CARD

SAGER ELECTRONICS

Batteries & Integrated Battery Solutions



DAKOTA LITHIUM | EnerSys | muRata | nichicon Batteries

Panasonic ENERGY | POWERPSSONIC | RRC | VARTA

Power Your Way

Mobile Power Solutions

With an ever-expanding offering, Sager Power Systems specializes in custom battery assemblies, battery pack design and standard batteries. We are an authorized distributor and a value-add reseller of many of today's top battery brands. We design and manufacture batteries based on a multitude of chemistries including Lithium Ion, Lithium Primary, Nickel-based, Sealed Lead Acid (SLA) and Pure Lead.

Intrinsically Safe Battery Design

High Power Lithium-Ion Battery

Rechargeable Sealed Lead Acid (SLA) Battery

Li-Ion Standard Smart Battery Packs

Custom Lithium Ion Smart Battery Packs

Pure Lead Cyclon SLA Battery

Li-FePo4 Battery System (with Bluetooth Capability)

Single & Multi-Bay Chargers

Enersys Genesis Pure Lead SLA Battery

Battery Chargers & Accessories

	Product Type	Dakota Lithium	EnerSys	Murata-Micro	Nichicon	Panasonic Energy	Power Sonic	RRC	VARTA	Calex	MEAN WELL	Phoenix Contact	SL Power - AEI	TRACO Power
Rechargeable Lithium	Cylindrical				●	●	●		●					
	Coin Cell								●					
	Standard Battery Packs	●					●	●	●					
	LiFePO4 (LFP), 3.2V	●					●		●					
	Li-(NMC, NCA, Co02, NMCA), 3.6V					●		●	●					
	PRISMATIC - Li-(NMC, NCA, Co02, NMCA)					●		●	●					
	POUCH - Li-(NMC, NCA, Co02, NMCA)							●	●					
	Titanate (LTO), 2.4V				●									
SLA	General Purpose (AGM)		●				●							
	Long life		●				●							
	High-rate		●				●							
	Thin Plate Pure Lead		●											
Other	Alkaline (Primary)					●			●					
	Lithium Coin (Primary)			●		●			●					
	NiMH					●			●					
	Lithium Cylindrical (Primary)			●		●			●					
Charger	Lithium	●					●	●	●*	●	●	●		
	SLA						●				●	●	●	●
	NiMH												●	
Applications	Agriculture/Horticulture	●	●				●	●	●					
	Asset Tracking/Sensors		●	●	●	●			●					
	Energy Storage/Charging	●	●				●		●		●	●		
	Instrumentation	●	●	●	●	●	●	●	●					
	IoT/Wearables			●	●	●		●	●					
	Lighting	●	●	●			●	●	●					
	Medical	●	●	●	●	●	●	●	●		●		●	●
	Military/COTS		●					●	●	●			●	
	Photovoltaic/Renewable	●	●				●		●		●	●		
	Power Tools					●			●					
	Railway/Transportation	●	●	●	●	●	●		●		●	●		●
	Robotics/Industrial Automation	●	●	●	●		●	●	●	●				
	Telecommunications/5G	●	●				●		●					

*Some battery chargers available from authorized partner Mascot