leagend Demonstrates R&D Strength with Next-Generation Supercapacitor Technology for the Australian Aftermarket

With 20+ years of automotive electronics expertise, leagend delivers innovative R&D-driven solutions for the evolving automotive aftermarket.



leagend battery-free supercap jump starter JS600

MELBOURNE, VICTORIA, AUSTRALIA, September 9, 2026 /EINPresswire.com/ -- As Australia's automotive aftermarket continues to evolve, technology development is becoming an increasingly important differentiator for manufacturers, distributors and service businesses.

Modern vehicles are becoming more electronically complex, while workshops and aftermarket businesses are under growing pressure to adopt new technologies, improve diagnostic capabilities and deliver greater value to customers.

> For more than 20 years, leagend has combined engineering expertise with practical automotive applications. The JS Series represents our continued commitment to meaningful product innovation."
>
> *leagend Management*

Against this backdrop, leagend, as a top manufacturer in the industry, is strengthening its position as an engineering-driven automotive electronics manufacturer, with more than 20 years of industry experience and a strong focus on product development, research and development, and practical automotive applications. One of the clearest examples of this capability is the company's JS Series, a new generation of battery-free supercapacitor jump starters designed to bring a fundamentally different approach to vehicle starting assistance.

More Than 20 Years of Automotive Electronics Development

leagend's development philosophy is built around a simple principle: technology should solve real automotive problems.

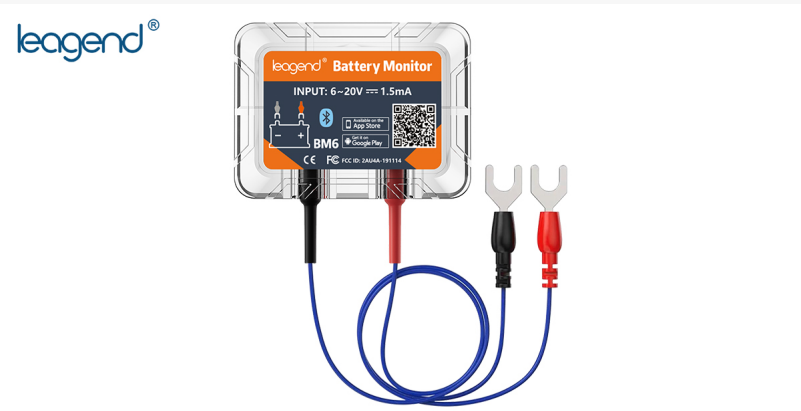
For more than two decades, the company has developed automotive electronic products spanning battery testing, battery monitoring, battery charging, vehicle diagnostics and thermal imaging.
This long-term experience has enabled leagend to build capabilities across multiple areas of product development, including electronic hardware, embedded systems, control technology, algorithms and application-oriented product design.
Rather than focusing solely on individual products, leagend continues to develop technologies that can be applied across different areas of the automotive aftermarket.
The result is a product portfolio designed around the evolving needs of vehicle owners, technicians, workshops, distributors and automotive businesses.



leagend battery-free supercap jump starter JS300



leagend battery-free supercap jump starter JS200



leagend battery monitor BM6

leagend JS Series: R&D Capability in Action
The leagend JS Series represents one of the company's most significant recent developments.
Instead of using a conventional chemical battery as its energy-storage component, leagend JS Series uses supercapacitor technology to provide starting assistance.
The technology combines a supercapacitor energy-storage system with intelligent electronic control, battery service life extension and permanent vehicle installation.
This approach required leagend to address challenges extending beyond the energy-storage component itself—including energy management, battery service life extending, charging, discharge control, vehicle-state recognition, protection and integration with the vehicle's starting system.
The result is a product architecture that reflects leagend's broader R&D capabilities rather than simply another variation of a conventional portable jump starter.



leagend battery tester BA4000 with built-in printer

From Technology Development to Practical Automotive Solutions
A strong R&D capability is only valuable when it results in products that can be applied in the real world.
leagend JS Series was developed around practical automotive requirements.
Once installed, the system can monitor the vehicle's electrical and starting conditions and intelligently manage the supercapacitor system. When starting assistance is required, the stored energy can be delivered to support the vehicle's starting system.
The permanent-installation innovation also changes the way starting assistance can be incorporated into the aftermarket.
Instead of treating a jump starter as an emergency device that is stored separately from the vehicle, leagend JS Series is designed as an integrated vehicle accessory that remains installed and ready for use. Besides, leagend JS Series can also help extend vehicle battery life to about 2 or 3 times.
For automotive businesses, this creates opportunities beyond conventional product sales—including professional installation, workshop services, fleet solutions and aftermarket packages.

Engineering for Demanding Automotive Applications
The automotive aftermarket does not operate in laboratory conditions.
Products must perform reliably across different vehicle platforms, operating environments and customer use cases.
This is why leagend's product development approach places emphasis on engineering reliability, intelligent control and long-term usability.
leagend JS Series incorporates a range of technologies designed to manage charging, energy storage and discharge while providing multiple layers of electrical protection.
Its supercapacitor architecture also provides a fundamentally different approach to long-term energy storage compared with battery-based jump starters.
For aftermarket distributors and professional installers, this technology creates a product with a clear technical story—something that can be demonstrated, explained and positioned as a genuine innovation rather than simply another specification-based accessory.

A Broader Automotive Technology Portfolio
leagend JS Series is part of a wider product development ecosystem.
leagend's automotive electronics portfolio includes:

Battery Testers: Leading the Battery Testing Industry for Their Highly Testing Precision
Tools designed to assess battery condition and starting performance.

Battery Monitors: Leading the Field for Their Extremely Low Power Consumption
Solutions that provide visibility into battery voltage and electrical conditions.

Battery Chargers: Unbeatable for Their Unique 8-Step Technology and Unattached Mode
Charging and battery-maintenance products for automotive applications.

OBD II Diagnostic Tools
Diagnostic equipment designed to support vehicle fault detection and automotive troubleshooting.

Thermal Imagers
Imaging solutions that provide visibility into abnormal temperature patterns across automotive and electrical systems.

leagend JS Series Supercapacitor Jump Starters
A new technology platform combining supercapacitor energy storage, intelligent control, vehicle battery life extension and permanent vehicle installation.
This portfolio demonstrates leagend's ability to work across several interconnected areas of automotive electronics rather than relying on a single product category.

An R&D Partner and Top Manufacturer, Not Just a Product Supplier
For Australian aftermarket businesses, the choice of supplier increasingly goes beyond price and product availability.
Distributors and retailers need products that can differentiate their portfolios. Workshops need technologies that provide practical value. Fleet operators need solutions designed around reliability and uptime.
And as vehicle technology continues to evolve, businesses need suppliers that can continue developing new products.
This is where leagend aims to differentiate itself.
With more than two decades of automotive electronics experience, leagend combines product development, engineering expertise and manufacturing capability to continuously expand its technology portfolio.
leagend JS Series demonstrates this approach: identifying an established automotive problem, reconsidering the underlying technology and developing a new product architecture around it.

Creating New Opportunities for the Australian Aftermarket
Australia's aftermarket includes manufacturers, importers, distributors, retailers, workshops and service providers across a broad national network.
For these businesses, new technology can create opportunities to develop new product categories, installation services and higher-value customer solutions.

The leagend JS Series can support potential applications across:

- Automotive aftermarket distribution
- Automotive retail and accessories
- Workshops and auto electricians
- Battery and electrical service
- 4WD and off-road applications
- Commercial and fleet vehicles
- Vehicle accessory installation
- Automotive technology solutions

For distributors and business partners, the opportunity extends beyond leagend JS Series itself. leagend's broader portfolio provides potential for cooperation across multiple automotive electronics categories.

Building Long-Term Technology Partnerships

leagend is now seeking to develop relationships with Australian businesses that are looking beyond conventional automotive electronics products and are interested in bringing differentiated technology to the aftermarket.

The company welcomes inquiries from distributors, wholesalers, retailers, workshops, auto electricians, fleet solution providers, automotive accessory companies and strategic partners. Potential cooperation opportunities include distribution, wholesale, retail, professional installation, fleet solutions, OEM and private-label development.

For leagend, the objective is not simply to place another product into the Australian market. It is to build long-term partnerships around technology, product development and shared market opportunities.

Developing What Comes Next

The automotive aftermarket is changing quickly. As vehicles become more connected and technologically sophisticated, the businesses that succeed will increasingly be those capable of understanding new technologies and turning them into practical customer solutions.

For more than 20 years, leagend has been developing automotive electronics with this principle in mind.

leagend JS Series is the latest expression of that philosophy—a supercapacitor-based starting solution that demonstrates leagend's ability to rethink established product categories and develop new technologies for real-world automotive applications.

For Australian automotive businesses seeking a technology-driven product partner with strong R&D and product development capabilities, leagend welcomes new business inquiries.

leagend — One of the Industry’s Leading Manufacturers, with 20+ Years of Automotive Electronics Expertise.

Developing the Technology Behind the Next Generation of Automotive Solutions.

leagend's official partner program is open to businesses with experience in the automotive aftermarket, vehicle market and lead-acid battery sector.

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