



## BATTERIES and ENERGY STORAGE

### ADARA POWER



Adara Power is a Silicon Valley-based company that develops advanced energy storage and management systems to meet the growing demand for renewable energy storage. The company delivers innovative clean technologies to customers to reduce energy costs and CO<sub>2</sub> emissions, while accelerating the transition to a resilient and reliable grid. [www.adarapower.com](http://www.adarapower.com)

### CALB USA



CALB USA Inc. is a source for large format lithium-ion battery cells. CALB's high quality cells are manufactured in 100Ah and 180Ah sizes. Full information about other cell sizes, product specifications, and purchasing is available at the company's website. [www.calbusainc.com](http://www.calbusainc.com)

### AQUION ENERGY

Aquion Energy is the manufacturer of proprietary Aqueous Hybrid Ion (AHI) batteries and battery systems for long-duration stationary energy storage applications. AHI batteries are optimized for daily deep cycling for residential solar, green architecture, off-grid and microgrid, energy management, and grid-scale applications. Aquion's high-performance, safe, sustainable, and cost-effective batteries deliver reliability and value for customers, says the company. [www.aquionenergy.com](http://www.aquionenergy.com)

### CROWN BATTERY

Crown Battery Manufacturing's new Crown1 deep-cycle AGM batteries feature capacities from 55Ah to over 300Ah, and they are 99 percent recyclable. Advanced technology, such as Crown's automated, inline COS process, allows for 100X more adjustments than manual welding. The industry's heaviest, thickest plates feature more active material for optimum performance and lifespan, says the company. [www.crownbattery.com](http://www.crownbattery.com)



# enerG Focus Feature



## ELECTRIQ POWER



ElectrIQ Power is set to release an all-in-one 10kWh home energy management system in Q4/2016. Designed to act as the conduit between household mains, grid and PV systems, it allows for automated electricity storage and battery consumption based on user-specific electricity pricing. Additionally, it learns consumption habits and minimizes electrical costs. [www.electriqpower.com](http://www.electriqpower.com)

in San Diego, EPC Power engineers and manufactures fully functional designs, prototypes, production hardware, and commercialized power electronics technology for use around the world. [www.epcpower.com](http://www.epcpower.com)

## GS BATTERY

The ECO R SLR1000-2 from GS Battery (U.S.A.) Inc. is an advanced nano-carbon, lead-acid battery that provides what the company says is an unprecedented 5,000 cycles at 70 percent DOD. These maintenance-free, sealed, VRLA batteries offer the value, safety, reliability, and recyclability of lead with the cycle performance of lithium. [www.gsbattery.com](http://www.gsbattery.com)



## ENSYNC ENERGY SYSTEMS

EnSync's Matrix Energy Management platform is patented and said to be a breakthrough technology enabling the new vision of electricity prosumer—owners of facilities that both produce and consume energy and provide valuable grid services. Matrix simply integrates and synchronizes all power sources, routing electricity in the most efficient and cost-effective manner, in or out of a facility. [www.ensync.com](http://www.ensync.com)



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## EPC POWER

EPC Power is a power electronics original equipment manufacturer (OEM) of grid stationary, industrial drives, and heavy automotive equipment. EPC is a veteran-owned company whose founding members have spent years at the forefront of power electronics development. Its field of excellence is the development of globally competitive high power density electrical conversion systems with a power range of several kilowatts to 200 megawatts. Based



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## MULTI-CONTACT

Multi-Contact's 165 A/300 V rated Battery Cable Connector (BCC) is a safe battery connection featuring a rapid locking system in an extremely compact design. It is touch protected (IP2x, IP00) and features low-contact resistance over the long term.

[www.multi-contact-usa.com](http://www.multi-contact-usa.com)



## OUTBACK POWER

The EnergyCell 200NC battery from OutBack Power represents the new line of VRLA AGM maintenance-free batteries with nano-carbon technology for greatly improved cycle life even with partial state-of-charge. It is said to be ideal for both cycling and back-up applications.

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



## PRINCETON POWER SYSTEMS



The GTIB-125 from Princeton Power is a three-phase, 125 kW four-quadrant converter that has been utilized in microgrid applications since 2009, when it was the world's first commercial-scale microgrid converter certified to UL-1741 safety standards, says the company. It is designed for advanced batteries, solar, on-grid, and off-grid applications.

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

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## ROLLS BATTERY ENGINEERING

Rolls Battery Engineering manufactures one of North America's leading premium battery lines, offering a full range of deep cycle batteries for railroad, marine, motive power, and renewable energy applications. With distribution and authorized dealers around the world, Rolls batteries are considered among the most durable and dependable in the industry, says the company.

<http://rollsbattery.com>



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## S&C ELECTRIC COMPANY

S&C's PureWave SMS Storage Management System is said to be an industry leading solution for integrating large-scale energy storage systems to the grid. Used for over 166 MWh of energy storage around the globe, the PureWave SMS is the only system to have confirmed deployments of every energy storage use case, according to the company.  
[www.sandc.com](http://www.sandc.com)



up, TOU shifting) and commercial (peak shaving, demand response) energy applications. The scalable systems use safe, reliable lithium-iron-phosphate batteries. sonnen is a global leader in energy storage with 10,000+ systems installed worldwide.  
[www.sonnen-batterie.com](http://www.sonnen-batterie.com)



## TROJAN BATTERY

Smart Carbon is a standard feature in Trojan's Industrial flooded battery line to address the impact of Partial State of Charge (PSOC) on batteries in renewable energy, inverter backup, and telecom applications. Trojan's Smart Carbon proprietary formula is said to provide improved battery charge acceptance and faster recharge in PSOC applications.  
[www.trojanbattery.com](http://www.trojanbattery.com)



## SAFT

Saft is a leader in the development and industrialization of lithium-ion batteries, with proven expertise that goes far beyond the manufacture of cells and battery modules to include project management and delivery of complete, fully tested, and qualified systems for bankable projects in energy services and renewable energy integration.  
[www.saftbatteries.com](http://www.saftbatteries.com)



## VARTA

VARTA Storage GmbH has introduced the Engion Sentry automatic battery storage system for homes and businesses. The Sentry system provides backup power during power outages in a safe and reliable manner, says the company. Professionally installed and service-complete with a five-year full system warranty, it is available in capacity ranges from 9.2 to 18.4 kWh.  
[www.varta-microbattery.com](http://www.varta-microbattery.com)



## sonnenBATTERIE

sonnenBatterie's fully-integrated, AC-coupled, intelligent energy storage systems integrate with PV power to provide residential (solar self-consumption, battery back-

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