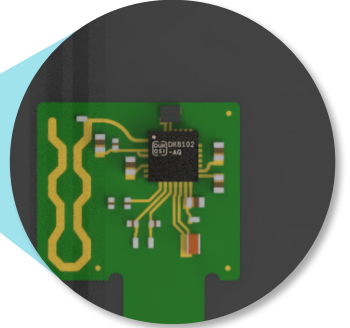
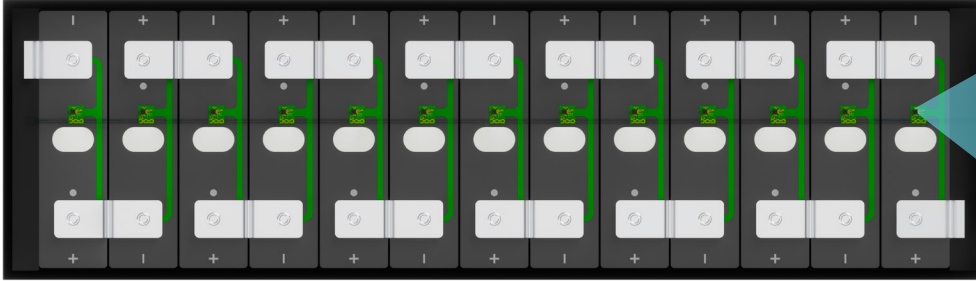


Design Brief



End-to-end BESS Solution with Dukosi DKCMS[®] with C-SynQ[®], A123 High Capacity LFP Cells, and Nuvation Energy BMS



BESS module PoC with DKCMS-enabled high capacity cells from A123

Key Information

- Dukosi, A123 Systems LLC and Nuvation Energy are collaborating to create an industry-leading end-to-end battery solution for battery energy storage systems (BESS) with class-leading cell safety, performance and reliability.
- Expressly designed to target the growing BESS market in North America with a regulatory compliant turnkey solution.
- Uses A123's latest 587 Ah high capacity LFP prismatic cells.
- Managed by Dukosi Cell Monitoring System (DKCMS[®]) with C-SynQ[®] and Nuvation Energy's advanced BMS platform.

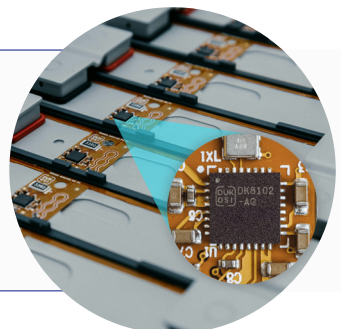
End-to-end BESS Battery Solution Proof-of-Concept

The proof-of-concept reference platform represents a comprehensive end-to-end battery solution that incorporates A123's new 587 Ah high capacity large format lithium-iron phosphate (LFP) cells equipped with Dukosi Cell Monitoring System (DKCMS[®]) with C-SynQ[®] proprietary communications, and battery management system (BMS) designed by Nuvation to create a highly scalable and safer battery system with a more reliable contactless architecture.

Designed in a 1P13S module configuration (41.6 V) typical for BESS applications, this end-to-end solution will enable system integrators and project developers to deploy and scale battery storage projects in North America faster, with safer, more secure and reliable battery systems that support regulatory compliance and bankable warranties.

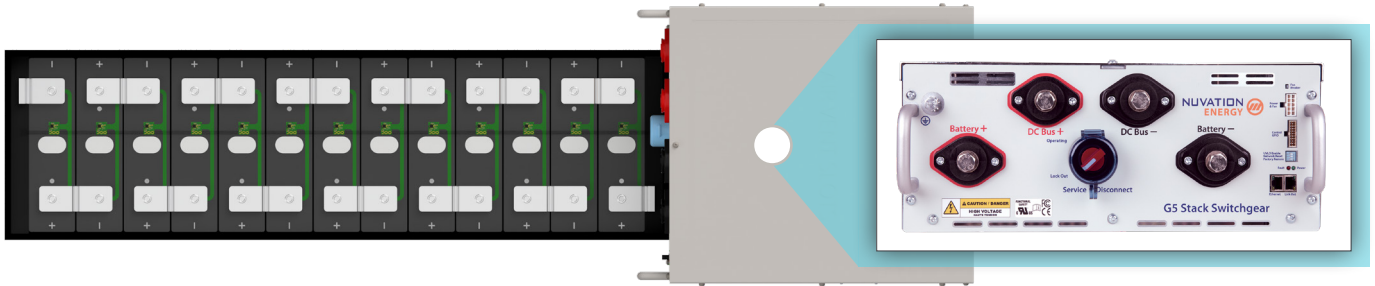
Dukosi Cell Monitoring System (DKCMS[®])

- Dukosi DK8102 Cell Monitor
- Dukosi DK8202 System Hub
- Dukosi Library API
- Dukosi C-SynQ[®] communications



Design Brief

End-to-end BESS Proof-of-Concept using DKCMS



A 1P13S BESS module PoC with DKCMS-enabled high capacity cells from A123 integrated with a Nuvation L2 BMS

A123 Prismatic Cell

- 587 Ah prismatic cell for advanced ESS
- Proprietary U.S. developed LFP chemistry
- Proven safety, thermal stability, designed for long cycle life

Nuvation Energy BMS

- Utility-grade BMS for energy storage
- Cell- and stack-level control for battery stacks up to 1500 V DC
- Field-proven, UL 1973 Recognized for Functional Safety

About Dukosi

Dukosi develops revolutionary technologies that dramatically improve the performance, safety, and efficiency of battery systems, and enable a more sustainable battery value chain. The company provides a unique cell monitoring solution based on chip-on-cell technology and C-SynQ® communications protocol for electric vehicles (EV), industrial transportation and stationary energy storage markets. Headquartered in Edinburgh, UK, Dukosi has a global footprint with locations in USA, Asia and Europe. For more information, please visit www.dukosi.com.

About A123 Systems LLC

A123 Systems is a global leader in advanced lithium-ion battery solutions for energy storage and automotive applications. A123 is working toward expanding its North American footprint and advancing industrialization capabilities from cell technology through module, pack, and system-level integration. Within the energy storage market, A123 provides high-capacity LFP cells and BESS solutions engineered for safety, reliability, scalability, and long-term performance. With expertise spanning materials science, cell design, manufacturing, and system integration, A123 works closely with customers to support utility-scale and commercial energy storage projects in North America. A123's support extends beyond products through technical guidance, integration support, responsive regional engagement, and long-term partnership. www.a123systems.com

About Nuvation Energy

Nuvation Energy provides battery management and energy control solutions for large-scale energy storage systems. With BMS technology in development since 2008 and delivering products at scale since 2015, Nuvation has deployments across hundreds of commercial, industrial, and utility-scale installations worldwide. Nuvation's core BMS products are UL 1973 Recognized and are designed, engineered, and manufactured in the United States and Canada by a fully North American-based team. www.nuvationenergy.com