





**Durapower Battery Energy Storage System (BESS)**

Durapower offers a series of stationary energy storage solutions that are safe, compact, modular, and scalable to fit projects of different sizes and for different applications. Depending on needs, such as for peak shaving, emergency response, black start, or frequency regulation, the Durapower team can advise on the ideal energy storage solution, equipped with a remote management system for optimal performance, for each use case.

			
<p><b>BLACK START</b></p>	<p><b>PEAK SHAVING</b></p>	<p><b>FREQUENCY REGULATOR</b></p>	<p><b>EV CHARGING</b></p>
<p>Restoring an electric power station to operate without an external electrical power transmission network to recover from a total or partial shutdown.</p>	<p>Shaving maximum demand by delivering power to the load and restoring energy to ESS during the off-peak period to save huge electricity costs.</p>	<p>Rapid response time and emission-free operation in restoring the balance between energy supply and demand in the grid system.</p>	<p>Durapower ESS can be integrated with on/off-grid renewables to provide back-up and power for EV charging, reducing the load on local grid systems.</p>

Durapower delivered a high-performance liquid-cooled 1C lithium iron phosphate (LFP) based containerised Battery Energy Storage System (BESS) to Banpu NEXT in Indonesia to meet their operational demands. Most Lithium Iron Phosphate Battery (LFP) ESS in the market are limited to 0.5C. This scalable 1C LFP system is the first rollout of Durapower's standard high performance LFP battery modules for the energy storage segment, adding to our portfolio value chain of high-performance Energy Storage Systems (ESSs). Durapower's ESSs are backed by stringent safety performance with multi-tier safeguards,

and International Electrotechnical Commission (IEC) and United Nations Economic Commission for Europe Regulation (UN ECE) certified cells and modules.



*Durapower Containerised Battery Energy Storage System (BESS) [Image: Durapower Group]*

BESS integrated in a solar hybrid system is an effective opportunity for commercial and industrial operators to meet emission reduction and decarbonisation targets. Durapower's BESS is the culmination of our customisation expertise from Durapower's extensive electric vehicle and ESS experience, and our regionalised supply chain access to help our customers meet their rigorous operational targets while optimising budgets and timelines.

Durapower also designs and manufactures safe, high-performance, lightweight, and durable containerised ESS using recycled batteries as part of battery second-life

deployment for a sustainable closed-loop integrated process with a focus on clean and renewable energy.

**About Durapower Group** ([www.durapowergroup.com](http://www.durapowergroup.com))

Headquartered in Singapore, Durapower offers closed-loop, end-to-end energy storage solutions for the electric mobility and renewable energy applications including on and off-road Electric, Hybrid and Plug-in Hybrid Electric Vehicles, electric marine vessel and stationary energy storage solutions. Since 2009, Durapower has been a leading innovator of Lithium-Ion cell technology, focusing on the research and development of battery materials, battery cell manufacturing and system integration. With a global presence spanning 24 countries and 49 cities, including European Countries, China, India and Southeast Asia. Durapower Group strives to make scalable, sustainable batteries that support the circular economy, empowering lives and transforming the future towards a carbon neutral economy.

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