



GS-1932 battery pack open transparent
IMAGE SOURCE: Terex Corporation; Genie

Genie Introduces a Lithium-Ion Battery Option for its GS™ E-Drive Slab Scissor Lifts

17 October 2022 by Genie (Terex Aerial Work Platforms)

Designed for MEWPs and rigorously tested for reliability and longevity – even in extreme temperature environments – Genie’s new Lithium-Ion battery solution delivers performance and value

In response to a growing global demand for cleaner, quieter, low-maintenance equipment that can withstand the rigors of construction jobsites, **Genie** is excited to introduce its new Lithium-Ion battery option for GS™ E-Drive slab scissor lifts. Rigorously tested for longevity and reliability – even in extreme environments – Genie® Lithium-Ion batteries have been specifically designed for MEWPs and are certified by the independent

certification organization Underwriters Laboratory (UL) against fire, electric shock and explosion.

“Today’s electrified equipment doesn’t just reduce emissions. In many cases, it also performs better and requires less maintenance. That said, battery maintenance and replacement is still one of the biggest ongoing expenses for scissor lift owners. Genie Lithium-Ion reduces those costs by eliminating battery maintenance and replacement. Purposefully designed for use in MEWPs, Genie Lithium-Ion is the only battery you’ll need for the normal life of your scissor lift,” says Christian Dube, Genie Product Manager.

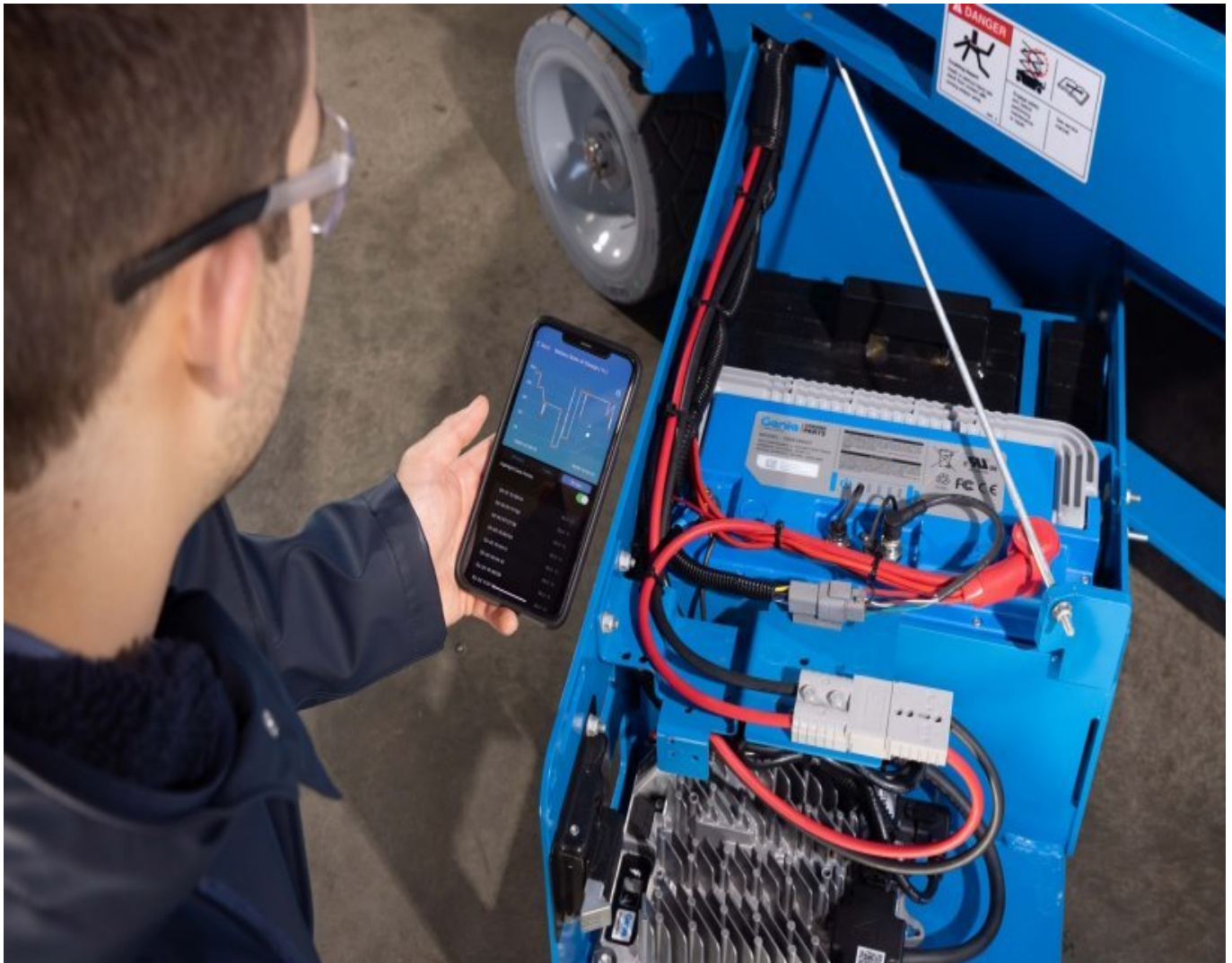


Genie - Lithium battery

IMAGE SOURCE: Terex Corporation; Genie

The zero-maintenance Genie Lithium-Ion battery’s fully-sealed IP67 housing protects it from water and dust contamination. Based on extensive testing, it has an expected lifespan of about 10 years and comes with a best-in-class five-year warranty. Introduced in 2020, Genie E-Drive scissor lifts are already low-maintenance

machines with brushless, fully sealed AC drive motors and 70% fewer hydraulic hoses and fittings. Genie's E-Drive Lithium-Ion scissor lifts reduce maintenance costs by an additional 11% compared to flooded lead acid (FLA) batteries because the Lithium-Ion batteries do not need to be watered or replaced.



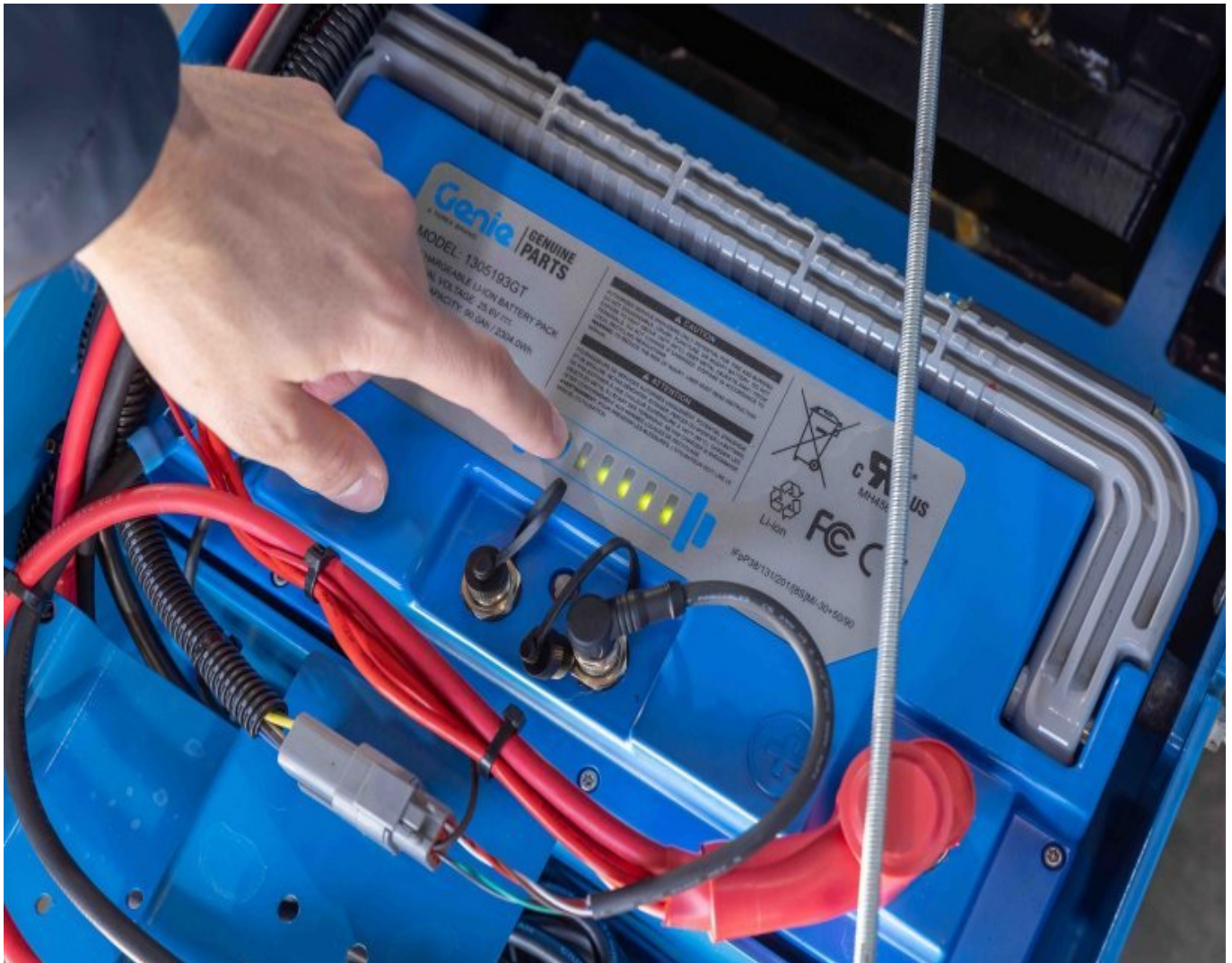
Genie - Lithium Battery charge status

IMAGE SOURCE: Terex Corporation; Genie

On the jobsite, E-Drive Lithium-Ion scissor lifts offer superior productivity and performance, even in extreme temperatures ranging between 120° F / 49° C to -20° F / -29° C.

"When in use, electric machines with a standard FLA battery usually generate enough heat in the battery to continue working. However, most people aren't continuously lifting or driving; they're stopped and doing work, allowing the FLA batteries to cool. As the FLA battery gets colder, it delivers less energy, which means the operator needs to take a break and move the lift into a warmer environment," Dube says. "Genie Lithium-Ion

batteries have built-in heaters that maintain the proper temperature, even when the scissor lift is stationary. This allows the operator to work continuously, without taking a break to warm up the battery – a real productivity benefit in a cold environment.”



Genie Lithium battery

IMAGE SOURCE: Terex Corporation; Genie

Genie GS E-Drive Lithium-Ion scissor lifts can be recharged in just four hours, which is 33% faster than a standard FLA battery, and partial charges won't damage the Lithium-Ion battery. This allows operators to charge a lift during breaks or over lunch in the event the machine didn't get charged the night before, or if it is being used for a second shift.

“Genie's Lithium-Ion battery solution is UL certified against fire, electric shock and explosion. And, with an expected battery life of at least 10 years and a five-year warranty, equipment owners can feel confident in the

battery's quality and longevity," Dube says. "Although this is the only battery a rental company will need while they own the machine, for additional peace of mind, owners can also use Genie LiftConnect telematics monitoring to track battery performance for a specific unit over time."



Genie GS-1932

IMAGE SOURCE: Terex Corporation; Genie

Additionally, because many rental companies look to give older equipment a second life on the used equipment market, Genie Lithium-Ion powered scissor lifts can be retrofitted with FLA batteries when the unit reaches the end of its useful life in a rental fleet.

The Lithium-Ion battery option is available globally on nearly all GS E-Drive slab scissor lifts, with the exception of the GS-1432m and GS-1932m micro scissor lifts and the GS-4046 and GS-4655 slab scissor lifts

Source: Terex Corporation; Genie

ELECTRIC SCISSOR LIFTS