

# MECHRON



## Integrated DC Generator For JLG Lifts

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JLG Industries, Inc. is the world's leading producer of mobile aerial work platforms and a leading producer of variable-reach material handlers and telescopic hydraulic excavators. Among JLG's products are scissor and boom lifts.

The original version of the battery powered lift equipment manufactured by JLG relied on Utility fed battery chargers that were "plugged in" overnight and required over 18 hours to fully recharge the battery bank. On a construction site, this meant that when the batteries were depleted, the unit would be out of commission while being recharged. It also meant that the unit could at any point or time run out of power, not necessarily near an electrical outlet. When used in the JLG configuration, the Mechron integrated DC generator monitors the condition of the on-board batteries and starts and stops itself, charging the batteries when required. Aside from the obvious benefit of never having batteries running low, the DC generator reduces the battery recharge time to

less than 8 hours. The controlled recharge cycle also greatly increases the overall life of the battery bank.

The single cylinder diesel driven generator set has been designed to start reliably in cold environments down to  $-40^{\circ}\text{C}$ . Maintenance and oil change intervals have also been extended to fall in line with other component maintenance schedules, thus permitting a smooth integration.

The Mechron integrated DC generator set, known as a QuikCharge GenSet, has been a popular option for JLG lifts for customers demanding continuous performance from their lifts.

