



POWER SOLUTIONS CASE STUDY

ENGINEERING A MORE EFFICIENT, COST-EFFECTIVE RENTAL PROCESS

CHALLENGE

A mid-sized regional rental house in Michigan near the Canadian border faced a recurring challenge. Because Canada and the U.S. use different electrical standards, every time equipment was rented, they either had to add more fleet assets to address these power supply needs or their technicians had to spend significant time rewiring it to match the voltage requirements at the jobsite. This process was not only time-consuming, taking up to 90 minutes, but also introduced potential safety risks.

SOLUTION

AID's engineering team designed a dual-voltage interlock system that allowed equipment to be quickly reconfigured between Canadian and U.S. voltage settings. The system reduced setup time from 90 minutes to just 90 seconds while incorporating safety features to prevent cross-voltage mistakes. This engineering innovation provided a seamless, efficient, and reliable solution for the client's operational needs.

RESULT

The solution not only streamlined the rental process but also strengthened customer confidence. To date, AID has received a second order for this custom breaker interlock switch solution, which demonstrates the commercial success and customer satisfaction driven by our engineering team's innovation.

FEATURED PRODUCTS



X Cart



X Sled



iCart