Today’s most progressive warehouses rely on fleets of electric vehicles to automate the transportation, organization, and delivery of goods and materials within the facility. From automated guided vehicles (AGVs) and autonomous mobile robots (AMRs) to electric forklifts and automatic storage retrieval systems (ASRS), these new solutions are significantly improving productivity and efficiency for the rapidly growing e-commerce and grocery delivery markets.

But these systems need fast and reliable power distribution to work optimally. Until now, that has not been easy to achieve in a rugged warehouse environment. TE Connectivity (TE) is bringing the expertise and products needed to create a charging infrastructure that is faster, safer, smaller, and more flexible for automated warehouses.

ACHIEVING PROPER POWER DISTRIBUTION CAN BE A CHALLENGE. OUR CUSTOMERS FACE 5 KEY ISSUES:

1. IMPROVED SAFETY
   - Keeping people and equipment safe by automatically shutting down machines if there is a power problem.
   - Significantly reducing the risk of a power spike that could damage equipment or sensitive components.

2. POWER EFFICIENCY
   - Providing quick charging to vehicles as needed, which requires that the system can handle high loads.
   - Reducing power losses in the system with improved batteries technology, and also with low contact resistance.

3. CIRCUIT PROTECTION
   - Providing connectivity with increased data rates.

4. IMPROVING COMMUNICATION
   - Improving communication with increased data rates.

5. FAST CHARGING
   - BATTERY MANAGEMENT SYSTEM (BMS)
   - CHARGING STATIONS

CONNECT WITH US
TE Connectivity makes it easy to take your warehouse automation goals to the next level. Visit te.com/support to chat with a Product Information Specialist and find the expert support you need.

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