



Modular chargers feature high-frequency switch-mode, scalability

The LifePlus MOD3 line of modular, high-frequency switch-mode Ionic smart chargers provide multiple charge profiles, peak efficiency and continuous power while reducing charging costs. Modular construction allows each power module to operate independently; should one module stop working, the others continue charging the battery. Because each module is a stand-alone unit, the risk of failures and downtime is eliminated. Other features include a 7-inch-wide, multi-color display screen that changes color according to battery status, plug-and-play flexibility, advanced data management, opportunity charging, and an extended battery warranty. Scalable, the system can be configured with three- or six-bay charger cabinets to allow modules to be added or removed. **Hawker Power Source, 800-238-8658, hawkerpowersource.com.**



Charge pallet jacks with lithium-ion battery system

The new LithPack lithium-ion battery system for Class III pallet jacks optimizes production time and performance over lead acid or gel batteries by providing faster, more efficient charging. The unit eliminates the need for extra batteries and battery swapping equipment with a life cycle five times longer than that of lead acid or gel applications (20 hours with a 4-hour charge versus an 8-hour run time with a 16-hour charge.) Because their electrolyte level does not need to be monitored, lithium-ion batteries are also virtually maintenance free. The system also includes: a custom battery monitoring system with cycle memory for determining battery health, powder-coated steel cabinet for durability, built in cable storage to prevent cable damage and for easy storage, water resistant design, and optional cooling system. **Applied Energy Solutions, 800-836-2132, appliedenergysol.com.**

Power pallet jack with hydrogen fuel cell

The GenDrive 3340 Class III pallet jack fuel cell solution uses the supplier's proprietary proton exchange membrane (PEM) fuel cell stack technology. The fuel cell features a new control system, improved fuel efficiency, and real-time communication capability with remote access to real-time performance data and diagnostics. The fuel cell can power a pallet jack for an entire 8-hour shift and can be refueled in 90 seconds, reducing vehicle and personnel downtime. Additionally, it operates in a range of temperatures, including freezer applications as low as -22°F. **Plug Power, 518-782-7700, plugpower.com.**



Maximize single, multiple battery bank charging

Engineered for frequently charged 12-, 24-, 36- or 48-volt battery banks, the PowerPulse battery maintenance system ensures maximum performance on both single lead-acid batteries and multiple batteries connected in parallel. Keeping all batteries equalized allows them to be completely charged and to give off a complete discharge; the addition of the system ensures that the batteries are consistently desulfated and equalized. This enables vehicles to run longer with more power between charges. **PulseTech Products, 425-354-9792, pulsetech.net.**