

Connector Solutions For Alternate Energy Applications



Distributed Power

- Solar
- Wind
- Fuel Cell

Direct Current

- Servers
- Lighting

Battery Power

- EV
- Scooters
- Lawn Equipment

Solar Power Environmental Connections SPEC Pak

APP's SPEC Pak connector with locking option is ideal for any solar, wind, hydro or other green applications requiring a rugged, environmentally sealed (IP67) connection. Highly configurable by the user with 1,000's of combinations of AC / DC power, signal and FMLB ground contacts.

- Meets all 2008 NEC / UL requirements
- 1,000's of user configurations, standard
- Rugged environmentally sealed (IP67) shells
- Operating temperature -40° to 105°C (-40° to 221°F)
- Touch Safe per UL1977 (Section 10.2)
- Individual contacts rated up to 45 amps
- High voltage (1,000 volts AC / DC)
- UV and corrosion resistant components
- UL94 V-0 flammability rating



DC-DC Server Connectors Saf-D-Grid™

APP's Saf-D-Grid connectors were designed for low voltage applications where personal safety is critical. Connectors meet UL and IEC 60950 and are recommended for applications from 50 to 400 VDC.

- Touch safe – passes UL & IEC finger probe and 3 mm test
- 8 mm creep and clearance per UL and IEC 60950
- Arc protection – housings contain arc while mating or unmating under load
- First-mate / Last-break ground contact
- Integral Latch
- UL94 V-0 flammability rating



Battery & Charging Connector for Electric Vehicles / Lawn Equipment SBS®75x

APP's SBS75x connector provides high power and auxiliary contacts in a robust housing. The touch-safe connector is ideal for battery charger and battery insertion / replacement applications.

- Two power contacts UL Rated to 105 amps
- Touch safe per UL1977 (Section 10.2)
- Four auxiliary contacts UL rated to 20 amps
- UL94 V-0 flammability rating
- Robust design provides up to 10,000 mating cycles
- UL hot plug rated
- Chemical resistant housing available



Blindmate Battery Connector for Electric Bikes / Scooters

MARC Connector



APP's MARC connector provides blindmate connections in difficult applications requiring mating on a rotational basis. The rugged PBT housing provides up to 10,000 mating cycles and is chemical resistant.

- Multi-axial mating
- Blindmate housing design
- 10,000 mating cycles
- First-mate / Last-break ground contact
- UL94 V-0 flammability rating
- Mechanically keyed housing
- Up to 8 power / signal contacts at 29 amps 600V (AC / DC)

Battery Connections for Electric Vehicles / Lawn Equipment

Powerpole® (PP15/45, PP75, PP120 & PP180)

APP's powerpoles are modular, cost effective connectors that offer engineers design flexibility, robust construction, and color coding for ease of harnessing. Accessories allow panel mounting, latching and cable strain relief. Contacts are available for wire, PCB, and busbar applications

- Genderless modular housings
- 15 to 180 amps per contact at 600V (AC / DC)
- Up to 10,000 mating cycles
- Hot pluggable
- UL94 V-0 flammability rating



Battery / Battery Charger / Electric Bikes / Scooters / Lawn Equipment

Multipoles (SB®/SBE®/SBX®)

APP's Multipole connectors are available in two pole and three pole in the (SB) version and as two pole with up to four auxiliary contacts in the (SBE / SBX) version. All are mechanically keyed and color coded (colors determine voltage) to prevent accidental cross mating. SBE / SBX connectors are also finger safe per UL1950 / EN1175.



- SB and SBX are available from 50 to 350 amps 600V (AC / DC) per UL
- SBE is available from 80 to 320 amps (AC / DC) per EN1175
- Hot pluggable
- UL94 V-0 flammability rating
- Chemical resistant housings available
- Up to 4 auxiliary contacts



Alternate Energy

- Energy derived from sources that do not use up natural resources or harm the environment. Alternate energy saves our natural resources and is environmentally superior to conventional coal and oil.



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