

## PROTECTING BY DESIGN. CONNECTION AFTER CONNECTION.

TE Connectivity's innovative cell-to-cell, module-to-module, and battery-to-car solutions are addressing the big challenges of hybrid and electric vehicles. With continuous research into new technologies, collaborative engineering with customers, and lower-mass off-the-shelf solutions, we're making a difference with your power-to-weight-ratio, time-to-recharge, and total range capabilities. And since our line of HV technologies leverages decades of experience with high-voltage generation, transmission and distribution, you can depend on them to be safe and reliable in your application.



### Cell-to-Cell Connectors

Our cell-to-cell solution reduces the number of electrical interfaces in the battery to create a safe, reliable connection with reduced costs and mass. An optional gasket seal is also available.

### Module-to-Module Connectors

Our flexible module-to-module quick connect absorbs vibration and offers variable positioning distances. Designed to work without nuts or bolts, it eliminates incorrect torque and cross-threading issues.



### Contactors

TE's contactor family switches high-voltage power on and off, providing the capability of handling arc conditions. Hermetically sealed—

intrinsically safe, operates in harsh environments with no oxidation or contamination of coils or contacts, including long periods of non-operation.



### Battery Disconnect Units - BDU

Battery disconnects protect the battery by measuring current and regulating power distribution in the

pre-charge and in-use stages, and provides emergency shut-down when needed.



### Metal Hybrid PPTC - MHP

The TE metal hybrid PPTC provides overcurrent circuit protection with arc-suppression capability in a small package. The double-make/double-

break contact design smoothly transfers and shunts fault current from the bimetal to the PPTC, effectively eliminating arcing, welding and contact damage.

Available in configurations supporting up to 800VDC.



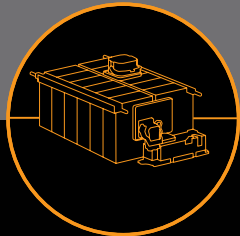
### AMP+ Manual Service Disconnect

No tools are required for TE's touch-safe solution for disconnecting the internal HV battery pack and protecting

service technicians, emergency first responders and high-voltage wiring harness assemblies.

## COMPLETING CONNECTIONS IN THE EV BATTERY.

We're leveraging our experience in the automotive and high-voltage industries to advance the EV age with safe, reliable, efficient solutions for hybrid and electric vehicle batteries. And you can count on us to continue developing components and solutions that are smarter, smaller, lighter and safer. Because we understand the challenges battery manufacturers and OEMs are facing.



Learn more about what the TE Hybrid & Electric Mobility Solutions team can do for you at [te.com/ev](http://te.com/ev)

### FOR MORE INFORMATION Technical Support

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#### AMP+ High Current Connectors & Headers - HVP800

AMP+ touch-safe 2-3 position high current connectors and headers with integrated HVIL and multiple routing options meet AK 4.3.3, LV215-1.



#### AMP+ Low-Medium Current Connectors & Headers - HVA630

AMP+ touch-safe 2-3 position low-medium current connectors and headers are designed to meet AK 4.3.3, LV215-1 specifications and offer flexible wire harness routing for device applications.



#### AMP+ Low-Medium Current Connectors & Headers - HVA280

With over 3,000 combinations, this touch-safe 2-3 position AMP+ header and connector family has a safe, reliable solution for you. Not limited by the header on your device, the same interface is used for individually shielded wire and multi-core wire.



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**HYBRID & ELECTRIC  
MOBILITY SOLUTIONS**