

A GUIDE TO ELECTRIC VEHICLES

Global sales of electric vehicles (EVs), including cars and bicycles, are rising rapidly thanks to an increased interest in minimisation of fossil fuel use by environmentally conscious consumers. In using energy storage systems such as lithium-ion batteries, these vehicles present a set of safety risks that necessitate the use of specific types of personal protective equipment (PPE).



TYPES OF ELECTRIC VEHICLES



Battery electric vehicles (BEVs)

Battery electric vehicles (BEVs) are powered only by electricity. They are also referred to as 'plug-in' EVs as they require access to an external outlet to charge the battery. They lack an internal combustion engine, fuel tank and exhaust system.



Plug-in hybrid electric vehicles (PHEVs)

Plug-in hybrid electric vehicles (PHEVs) are powered by a combination of fuel and electricity. They contain an internal combustion engine that uses liquid fuel and a plug for use with external outlets to charge the battery.



Non plug-in hybrid electric vehicles (HEVs)

Non plug-in hybrid electric vehicles (HEVs) are like PHEVs but rely on electricity generated by the car's braking system to recharge the battery, rather than plugging in to an outlet.



Fuel cell electric vehicles (FCEVs)

Fuel cell electric vehicles (FCEVs) are the least common format, utilising a fuel cell rather than a battery (or in combination with a battery or supercapacitor) to power electric motors. They are typically fuelled by hydrogen.

ANSELL INDUSTRIAL ELECTRIC VEHICLE SOLUTIONS

Explore Ansell's full suite of solutions by clicking each category below

Cut Protection

HyFlex® 11-561



Touchscreen Protection

HyFlex® 11-819 ESD



Single-Use Protection

TouchNTuff® 92-600



Single-Use Protection

MICROFLEX® 93-243



Single-Use Protection

MICROFLEX® 93-260



Electrical Protection

ActivArm® Electrical Glove Class 00 - RIG0014Y



Chemical Protection

AlphaTec® 1500/1800 Standard



Chemical Protection

AlphaTec® 2000 Standard



Chemical Protection

AlphaTec® 2300 PLUS Stitched & Taped



Chemical Protection

AlphaTec® 4000 Ultrasonically Welded & Taped



For additional information, contact your local Ansell Territory Manager or visit us at www.ansell.com

Ansell, ® and ™ are trademarks owned by Ansell Limited or one of its affiliates.
© 2022 All Rights Reserved.