EINTAC
Expert in **safe-working** on **electric vehicles**
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PART No.

EHV-ESG###

Insulated Electrical Safety Gloves

PRODUCT DESCRIPTION

These electrical safety gloves have an erganomic shape and are slightly powder coated on the inside to make putting the gloves on and taking them off much easier. The natural rubber provides dielectric properties, and the thickness of the glove has been kept as thin as possible in order to offer the maximum level of dexterity.

- We recommend these gloves to be used in conjunction with leather overgloves to protect the glove from damage.
- Gloves are tested and certified to EN 60903 and IEC 60903

FINDING YOUR GLOVE SIZE

Measure the circumfrance of your dominant hand just below your knuckles. Compare the measurements to the size chart below to find your glove size. The size measure in inches relates directly to the glove size. i.e 10" - Size 10 glove

S	M	L	XL	XXL
8"	9"	10"	11"	12"
SIZE 8	SIZE 9	SIZE 10	SIZE 11	SIZE 12

Please note: We do advise to wear Cotton Under Gloves under the Rubber Insulated Gloves, so you need to make a small allowance for that when deciding on glove size

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CATEGORY DESCRIPTIONS

CATEGORY A: (Resistance to acid)
Conditioning of gloves by immersion for 8hr in sulphuric acid solution (32° Be) heated at 23±2°C:
// Proof and withstand test voltage
// Mechanical resistance: >75% of non-conditioning gloves

CATEGORY Z: (Resistance to ozone)
Conditioning of gloves for 3hr in a chamber at 40±2°C and in a 1±0.01mg/m³ ozone concentration:
// Proof and withstand test voltage
// Visual control

CATEGORY C: (Resistance to very low temperatures)
Conditioning of gloves for 24hr at -40±3°C and shall be folded at the wrist to be placed between two polyethylene plates and being subjected to a force of 100N for 30 seconds:
// Proof and withstand test voltage
// Visual control

CATEGORY H: (Resistance to oil)
Conditioning of gloves by immersion for 24hr in oil (liquid 102) at 70±2°C:
// Proof and withstand test voltage
// Mechanical resistance: >75% of non-conditioning gloves

CATEGORY R = A + Z + H

PERIODICAL TESTING

No gloves of classes 1, 2, 3 or 4, not even those held in storage, should be used unless they have been tested within a maximum period of 6 months. From the annex E (informative) of the EN-60903 standard.

THERMAL TESTS

Resistance to low temperature
Conditioning for 1hr at -25±3°C. Tests are satisfactory if no tearing, breaking or cracking after folding and if glove passes proof test voltage and withstand test voltage.

Flame retardancy
Application of the flame at finger tips for 10s. Test is satisfactory if after 55 secx, the flame has not reached the marker 55mm away at the other end.

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AGEING REQUIREMENTS:

Conditioning of gloves in an air oven at 70±2°C over 168hrs:

// The tensile strength and the elongation at break must be equal to 80% of non-conditioning gloves. The tension must not exceed 15%.

// Gloves must pass the proof test voltage and withstand test voltage.

PACKING:

Each pair of gloves is packaged in an opaque sachet with a directions of use inside. On the packaging, the following information is given: [Class, Size, Categories, Type of Cuff, Length of Gloves, Test Date, Manufacture and Validation Batch Numbers].

The sachet and instructions for use are certified as part of PPE and must be kept with the gloves.

CLASS	CATEGORIES	THICKNESS (mm)	PROOF TEST VOLTAGE	MAX. USE VOLTAGE	SIZE	PART NO.
00	AZC	0.5	2500	500	8	EHV-ESG208
					9	EHV-ESG209
					10	EHV-ESG210
					11	EHV-ESG211
0		1	5000	1000	8	EHV-ESG108
					9	EHV-ESG109
					10	EHV-ESG110
					11	EHV-ESG111
					12	EHV-ESG112
1		1.5	10000	7500	9	EHV-ESG309
2	RC	2.3	20000	17000	9	EHV-ESG409
					10	EHV-ESG410
					11	EHV-ESG411
3		2.9	30000	26500	9	EHV-ESG509