



HICARETM
PROTECTIVE WEAR



ARCD **DEFENCE**TM

ARC FLASH SUITS

ARCD[⚡]EFENCE™

Arc Defence™ by Hicare Arc Flash Suits provide specialized protection for electricians and other individuals working near electrical facilities. Arc suits are specialized pieces of personal protective equipment (PPE) that protect workers against electric arc flash hazards. An arc flash is a sudden release of electrical energy into the air, generally caused by a fault in an electrical system. Arc flashes can generate extraordinarily high temperatures, intense light, and pressure waves, posing significant risks to anyone who works with or near electrical equipment.

BRAND	MODEL	ATPV RATING	HRC	GSM
Arc Defence	HC Shelter 8	8 Cal / Cm2	HRC 2	240
Arc Defence	HC Shelter 12	12 Cal / Cm2	HRC 2	240
Arc Defence	HC Shelter 25	25 Cal / Cm2	HRC 3	365
Arc Defence	HC Shelter 40	40 Cal / Cm 2	HRC 4	480
Arc Defence	HC Shelter 75	75 Cal / Cm2	HRC 4	1000
Arc Defence	HC Shelter 100	100 Cal / Cm2	HRC 4	1200



IEC 61482-2



70E



2178



1959



1506



2621

**Model: HC Shelter 8****TECHNICAL SPECIFICATIONS**

Fabric Composition: Electrical Arc flash suit made of Modacrylic, Cellulose, Aramid, Anti static Multi Blend Fabric 240 GSM Rip Stop

Kit Content:

- Jacket & Pant
- Hard Hat with Face Shield
- Fabric Gloves
- Storage Bag

Color: Navy Blue

Applications:

- Transmission Line Maintenance
- LT and HT Panel Maintenance
- Electricians for workwear.

CERTIFICATIONS

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Storage Bag



Jacket & Pant

Hard Hat with
Face Shield

Fabric Gloves



ARCADEFENCE™

Model: Arc Flash Suit 8 Cal

TECHNICAL SPECIFICATIONS

Fabric Composition: Modacrylic, Cellulose,
Antistatic multiple blend fabric 240 GSM

Kit Content:

- Jacket & Pant
- Hard Hat with Face Shield
- Fabric Gloves
- Storage Bag

Color: Navy Blue

Applications:

- Transmission Line Maintenance
- LT and HT Panel Maintenance
- Electricians for workwear.

CERTIFICATIONS



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ARCDEFENCE™

Model: Arc Flash Suit 12 Cal

TECHNICAL SPECIFICATIONS

Fabric Composition: Electrical Arc flash suit made of Modacrylic, Cellulose, Aramid, Anti static Multi Blend Fabric 240 GSM Rip Stop.

Kit Content:

- Jacket & Pant
- Hard Hat with Face Shield
- Fabric Gloves
- Storage Bag

Color: Navy Blue

Applications:

- Transmission Line Maintenance
- LT and HT Panel Maintenance
- Electricians for workwear.

Accessories:

CERTIFICATIONS



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1959



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**Model: HC Shelter 40****TECHNICAL SPECIFICATIONS**

Fabric Composition: Outer layer made of Modacrylic, Aramid, Nylon, Anti-static Multiblend fabric

Inner Layer: Non woven Fabric quilted to inherently Arc Resistance Face cloth

Kit Content:

- Jacket & Bib trouser
- Hood with Helmet and Visor
- Fabric Gloves
- Storage Bag
- Fabric Gloves

Color: Navy Blue

Applications:

- Transmission Line Maintenance
- LT and HT Panel Maintenance
- Electricians for workwear.

CERTIFICATIONS

IEC 61482-2



1959



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NFPA®

70E



2178



Storage Bag

Hood with
Helmet & VisorJacket &
Bib Trouser

Fabric Gloves



**Model: Arc Flash Suit 40 Cal Double Color****TECHNICAL SPECIFICATIONS**

Fabric Composition: Outer layer made of Modacrylic, Aramid, Nylon, Anti-static Multiblend fabric

Inner Layer: Non woven Fabric quilted to inherently Arc Resistance Face cloth

Kit Content:

- Jacket & Bib trouser
- Hood with Helmet and Visor
- Fabric Gloves
- Storage Bag
- Fabric Gloves

Color: Navy Blue

Applications:

- Transmission Line Maintenance
- LT and HT Panel Maintenance
- Electricians for workwear.

CERTIFICATIONS

IEC 61482-2



1959



1506



2621



NFPA®

70E



2178



Storage Bag

Hood with
Helmet & VisorJacket &
Bib Trouser

Fabric Gloves



**Model: HC Shelter 75****TECHNICAL SPECIFICATIONS**

Fabric Composition: The Electrical Arc Flash Suit made of Arc Flash Resistance Multilayer Fabric, Inherent Blend Fabric.

Kit Content:

- Jacket & Bib trouser
- Hood with Helmet and Visor
- Fabric Gloves
- Storage Bag
- Electrical Insulation Gloves Options

Color: Navy Blue

Applications:

- Transmission Line Maintenance
- LT and HT Panel Maintenance
- Electricians Flash Fire Protection
- Power Generation Unit.

CERTIFICATIONS

IEC 61482-1-1



1959



NFPA®

70E



2178



ARC FLASH ACCESSORIES

Dielectric Boots

TECHNICAL SPECIFICATION

Type of Construction: Vulcanized Rubber Upper and Sole.

Specialty: Tested individual boots at 5kV (wet)
Optional testing @10kV (wet) or 35kV (dry) Recommendation:

- For working environment with high voltage hazards.
- Power station operations Substation (step-up / step-down / distribution) operations.
- Electrical hazards with wet condition / water exposure.
- High current leakage hazards Electrical installations.



CERTIFICATIONS

CE 0321
EN ISO 20345:2011
SB E FO HRO SRA
EN 50321:1999



European Standard CE Approved-
EN ISO 20345:2011(SB E FO SRA HRO)
EN 50321:1999 Class 0 (for installations with nominal
High Voltage up to 1000V A.C. and 1500V D.C.)
Australia New Zealand Standard Approved-
AS/NZS 2210.3:2009 (SB E FO HRO SRA)

CSA Z195-14 / ASTM F 2413-11, Grade 1 Toe Protection
Compression Resistance, 11kN 18 kV Electric Shock
Resistance (ESR) Protection.



**Paulson Arc Flash
Visor 40 Cal**

TECHNICAL SPECIFICATION

Premium Anti-fog Coated Arc Flash
Protective Arc Shield with Velcro
pattern for hoods. ATPV 40 Cal.
Dual pane.

Material: Polycarbonate
25,4 x 50,8 x 0,15cm (10"x20"x0.06")

Weight: 283g (10 oz)

Colour: Green

Standard: ANSI Z87.1, ASTM F2178,
40 cal/cm², NFPA 70E



**Polycarbonate
Injected Visor**

TECHNICAL SPECIFICATION

Polycarbonate injected visor, against
electric arc and thermal risk. Green
shade for better transmission of light.

ASTM-F-2178-12 Standard Test
Method for Determining the Arc Rating
and Standard Specification for Face
Protective Products.

Category ANSI Z87.1-2010
American National Standards Institute -
Occupational and Educational Personal
Eye and Face Protection Devices.



**Electrical
Hand Gloves**

TECHNICAL SPECIFICATION

Class Type: Class 2 Natural rubber
Features:

- Each glove is inspected/tested for electrical insulation
- Electrical tests are performed on premium grade test machine custom made in USA (NO81A1-D)
- Compliant to EN 60903:2003
- Manufactured on a purpose built production line
- Produced at an ISO 9001:2015/ISO 14001:2015 accredited facility
- Compliant to PPE Regulation (EU) 2016/425

EV FIRE BLANKET



TECHNICAL SPECIFICATION

Description:	EV fire blankets are eco-friendly and mess free solutions. It works by smothering the flames and cutting off the oxygen supply, effectively stopping the fire from spreading. Offer a practical solution for emergencies, ensuring safety on the road.
Material:	Silicate based multilayer coated material
Temperature:	Ranging from 600°C to 900°C
Melting Point:	900°C
Size:	6m x 8m
Colour:	Grey
Usage/Application:	Fire Fighting (EV Owners)
Shelf Life:	5 years

Features:	• High-Quality Materials • Lightweight and Portable • Durable Design • Easy to Use
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EV ARC FLASH KIT

KIT INCLUDES:

- Jacket & Trouser
- Electrical Hand Gloves
- Balaclava Hood
- Helmet with Visor
- Dielectric Boots
- Rescue Hook & Storage Bag

ESSENTIAL PROTECTION FOR EV EMERGENCIES!





HICARE PROTECTIVE WEAR PVT. LTD.

Manufacturers & Exporters of Heat Protective Products

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