

/ V1-BK

VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1)



/ Standards

Helmet: EN 397+A1 : 2012, EN 50365 : 2023 (Class 2, use up to 17 000 V AC, tested up to 30 000 V AC))

Face shield: EN ISO 16321-1 +A1 : 2024, GS-ET-29 : 2019 (Arc Protection Class – APC1), EN 166 : 2002, EN 170 : 2003

Helmet & face shield : EN IEC 62819 : 2022 (APC1) for versions with shield (VSP-LPP) or FR fabric protection (VSP-LPF1)

/ Use

Face and head protection against thermal effects of electric arcs (Arc-Flash), with an energy incidence for an electrical installation up to 4 kA, and a working distance of 30 cm (APC 1).

Protection against short-circuit arcs, risks of falling objects, UV radiation and molten metal splashes.

/ Technical specifications

Helmet:

- Double shell (inner and outer), in ABS material
- 6-point textile harness, with wide sweatband, and headband with push and pull adjustment (53 to 63 cm), with rear-suspension comfort bands
- Ergonomic headband adjustment with neck multi-positions
- Push and pull adjustment system at the back, which folds down inside the helmet to optimize space for storage
- Resistance of the shell to lateral deformation (symbol LD)
- 4-point chinstrap, with quick-release locking and opening system - Easy to use with insulated gloves, supplied with a removable chin cup

Face shield:

- Colorless / clear, in polycarbonate
- Optical quality (Class 1), for prolonged use without distortion or visual tiredness
- Resistance to molten metal (symbol 9)
- Resistance to particles thrown at high velocity 120 m/sec at high temperature (-5°C and + 55°C)
 - For all V1-BK versions without LPP or LPF1 (side and chin protection): impact level DT (80 m/sec)
 - For all V1-BK versions with LPP or LPF1 (side and chin protectors): impact level ET (120 m/sec)
- UV resistance (index UL-1,2)
- Fog resistant (N symbol)
- Scratch resistant (K symbol)
- Resistance to thermal consequences of an electric arc (APC 1 according to GS-ET-29 standard and IEC 62819)
- Great light transmission class (Class 0 according to GS-ET-29 standard) – VLT ≥ 75 %
- Protection against a short-circuit arc (symbol 8 according to 166)

Helmet obsolescence date: 5 years from start of use (after storage under the conditions indicated in the instructions up to 3 years), and face shield to be replaced in the meantime if necessary.

Advantages

- **Innovative helmet specially developed for electricians network, with optional electronic modules to be integrated:** headlamp with or without auxiliary battery and red LEDs at the rear, with or without voltage alarm-qualified by a notified laboratory
- **Attractive and compact design**
- **Double shell** (inner and upper shell) for face shield protection – to extend the face shield life + superior protection against electric shock and arc-flash hazards
- **Perfectly balanced helmet** offering **optimum protection for electricians** in all types of industrial environments
- Easy headband adjustment, with push and pull knob system, even when wearing insulating gloves
- **Interchangeable central crest, available in 5 colors**, for customization and/or improved visibility, with **color management system** and **easy handling to change color within seconds**
- Face shield with **perfect optical quality** (patented technology) for prolonged use, to avoid eye strain or headaches associated with
- **Easy handling of the face shield** even with one hand, and **when wearing insulating gloves**
- **Compatible with several accessories** such as earmuffs, retroreflective tapes, a neck protector, a rigid integrated lateral protection, or FR fabric lateral protection
- **No metal parts**
- **Delivered with protective carrying bag and microfiber wipe for cleaning**
- **Ergonomic design, and wide-coverage face shield** for optimum protection of the face, **allowing the wear of corrective lenses**
- **Customization with company logo** (please contact us)

Document not contractually binding, errors and omissions excepted.

/ The product range

Reference	Description
V1-BK	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1), with BLACK full crest
V1-BK-W	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1), with BLACK and WHITE full crests
V1-BK-R	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1), with BLACK and RED full crests
V1-BK-Y	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1), with BLACK and YELLOW full crests
V1-BK-G	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1), with BLACK and GREEN full crests
V1-BK-O	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1), with BLACK and ORANGE full crests
V1-BK-B	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1), with BLACK and BLUE full crests
V1-LPP-BK	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1) with BLACK full crest and integrated lateral protection
V1-LPP-BK-W	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1) with BLACK and WHITE full crests and integrated lateral protection
V1-LPP-BK-R	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1) with BLACK and RED full crests and integrated lateral protection
V1-LPP-BK-Y	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1) with BLACK and YELLOW full crests and integrated lateral protection
V1-LPP-BK-G	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1) with BLACK and GREEN full crests and integrated lateral protection
V1-LPP-BK-O	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1) with BLACK and ORANGE full crests and integrated lateral protection
V1-LPP-BK-B	VISARC helmet for electricians, with integrated Arc-Flash face shield (APC1) with BLACK and BLUE full crests and integrated lateral protection



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/ On-board electronics

Reference	Description
VEA-1-BK	Monobloc headlamp for VISARC helmet – BLACK central crest
VEA-1-BK-W	Idem – BLACK and WHITE central crests
VEA-1-BK-R	Idem – BLACK and RED central crests
VEA-1-BK-Y	Idem – BLACK and YELLOW central crests
VEA-1-BK-G	Idem – BLACK and GREEN central crests
VEA-1-BK-O	Idem – BLACK and ORANGE central crests
VEA-1-BK-B	Idem – BLACK and BLUE central crests
VEA-2-BK	Headlamp with auxiliary battery pack on the back for VISARC helmet – BLACK central crest
VEA-2-BK-W	Idem – BLACK and WHITE central crests
VEA-2-BK-R	Idem – BLACK and RED central crests
VEA-2-BK-Y	Idem – BLACK and YELLOW central crests
VEA-2-BK-G	Idem – BLACK and GREEN central crests
VEA-2-BK-O	Idem – BLACK and ORANGE central crests
VEA-2-BK-B	Idem – BLACK and BLUE central crests
VEA-3-L*-BK	Headlamp with personal voltage alarm for VISARC helmet – BLACK central crest
VEA-3-L*-BK-W	Idem – BLACK and WHITE central crests
VEA-3-L*-BK-R	Idem – BLACK and RED central crests
VEA-3-L*-BK-Y	Idem – BLACK and YELLOW central crests
VEA-3-L*-BK-G	Idem – BLACK and GREEN central crests
VEA-3-L*-BK-O	Idem – BLACK and ORANGE central crests
VEA-3-L*-BK-B	Idem – BLACK and BLUE central crests



* To be completed with sensitivity level available below (from 1 to 5)



Double beam



LEDs at the rear

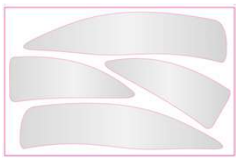
<p>VEA-1</p>	<p>VEA-2</p>	<p>VEA-3</p>
Standalone headlamp	Headlamp with auxiliary battery pack and red LEDs at the rear	Headlamp with auxiliary battery pack and red LEDs at the rear + personal voltage alarm (*sensitivity from L1 to L5 hereafter)

REF.	VOLTAGE RANGE	SENSITIVITY	VOLTAGE RANGE
L1	2 – 400 kV	+++++	Compact 10 kV metal enclosures in substations, overhead lines
L2	2 – 400 kV	++++	Compact 15 kV metal enclosures in substations, overhead lines
L3	10 – 69 kV	+++	For use only on an overhead line from a mobile elevating work platform
L4	25 kV Single-phase	++	only 25 kV federated lines environment
L5	50 – 400 kV	+	Overhead electricity transmission line and signal box

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/ Other accessories

Reference	Description
VA-REFLECT	Kit of 4 Flame Retardant (FR) retroreflective tapes for VISARC electrician helmet
VA-NECK	Neck protection with FR, HV, UV and water-repellent fabric for VISARC electrician helmet
TC42AB	SNR 26 dB earmuffs for helmets - including VISARC for V1 version only, without side protection
VA-BAGSTD	Standard protective bag for VISARC electrician helmet - versions WITHOUT electronic module / ref. VEA-1 and VEA-2
VA-BAGFAR	Faraday protective bag for VISARC electrician helmet - versions WITH electronic module / ref. VEA-3
VA-WIPE	Microfiber wipe for protective face shield
C279	Disposable hair restraint for helmet (box of 100)



Ref. VA-REFLECT



Ref. TC42AB



Ref. VA-WIPE



Ref. VA-BAGSTD



Ref. VA-NECK



Ref. C279

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/ Spare parts

Reference	Description
VSP-PAK4000	Spare battery pack for ref. VEA-2 and VEA-3
VSP-FACE1	Spare Arc-Flash APC1 face shield for VISARC V1 or V1-LPP electrician helmets
VSP-HBAND	Comfort headband for VISARC electrician helmet
VSP-HARNESS-SP	Harness for VISARC electrician helmet
VSP-CSTRAP	Chinstrap with chin protection - 4 attachment points



Ref. VSP-PAK4000



Ref. VSP-FACE1



Ref. VSP-HBAND



Ref. VSP-HARNESS



Ref. VSP-CSTRAP

/ For version with integrated rigid lateral protection OR FR fabric lateral protection

Reference	Description
VSP-LPP	Integrated lateral and chin rigid protection for VISARC electrician helmet <i>(accessory only for V1 / integrated for V2)</i>
VSP-LPF1	Lateral and chin protection in 2-layer FR fabric - APC1 for helmets with 4-point textile chinstrap



Ref. VSP-LPP



Ref. VSP-LPF1



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