

/ V2-12-LPP-BK

*VISARC helmet for electricians, with integrated Arc-Flash face shield
(APC2 and ATPV 12 cal/cm²)*



/ Standards

Helmet : **EN 397**: 2025 (Type 1, -30°C), **EN 50365**: 2023 (Type B, Class 2, use up to 17 000 V AC, tested up to 30 000 V AC)

Face shield : **EN ISO 16321-1** : 2022 (PENTA UL2 1 ET K N 9 16321 PENTA ET 1-M 3 9), **ASTM F 2178** (ATPV 12 cal/cm²)

Helmet + Face shield : **EN IEC 62819** : 2023 (APC2, LTC2 UL2 / ATPV 12 cal/cm², ELIM 12 cal/cm²)

/ Use

Face and head protection against thermal effects of electric arcs (Arc-Flash), with an energy incidence for an electrical installation up to 7 kA, and a working distance of 30 cm (APC 2).

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



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/ 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
- 4-point chinstrap, with quick-release locking and opening system - Easy to use with insulated gloves, supplied with a removable chin cup

Face shield:

- Light blue-gray tint (to filter high levels of thermal energy and high light intensity, while avoiding color distortion, made of 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 (ET marking) at high temperature (-5°C and + 55°C)
- UV resistance (UL2 rating)
- Fog resistant (N symbol)
- Scratch resistant (K symbol)
- Resistance to thermal consequences of an electric arc (APC 2 according to IEC 62819)
- Arc thermal performance value (ATPV) up to 12 cal/cm² / Energy Limit Value (ELIM) up to 12 cal/cm².

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
- **With integrated lateral and chin protection** – exclusive concept – rigid and ergonomic for optimum protection of the face and beyond
- **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 7 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
- **Easy handling of the face shield** even with one hand, and **when wearing insulating gloves**
- **Compatible with** a neck protector (VA-NECK),
- **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)

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/ The product range

Reference	Description
V2-12-LPP-BK	VISARC helmet for electricians, with integrated Arc-Flash APC2 and ATPV 12 cal/cm ² face shield with integrated lateral protection and BLACK full crest
V2-12-LPP-BK-W	VISARC helmet for electricians, with integrated Arc-Flash APC2 and ATPV 12 cal/cm ² face shield with integrated lateral protection and BLACK and WHITE full crests
V2-12-LPP-BK-R	VISARC helmet for electricians, with integrated Arc-Flash APC2 and ATPV 12 cal/cm ² face shield with integrated lateral protection and BLACK and RED full crests
V2-12-LPP-BK-Y	VISARC helmet for electricians, with integrated Arc-Flash APC2 and ATPV 12 cal/cm ² face shield with integrated lateral protection and BLACK and YELLOW full crests
V2-12-LPP-BK-G	VISARC helmet for electricians, with integrated Arc-Flash APC2 and ATPV 12 cal/cm ² face shield with integrated lateral protection and BLACK and GREEN full crests
V2-12-LPP-BK-O	VISARC helmet for electricians, with integrated Arc-Flash APC2 and ATPV 12 cal/cm ² face shield with integrated lateral protection and BLACK and ORANGE full crests
V2-12-LPP-BK-B	VISARC helmet for electricians, with integrated Arc-Flash APC2 and ATPV 12 cal/cm ² face shield with integrated lateral protection and BLACK and BLUE full crests



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/ On-board electronics

Reference	Description
VEA-1-BK	Monobloc headlamp for VISARC helmet – BLACK central crest
VEA-1-BK-W	(+) BLACK and WHITE central crests
VEA-1-BK-R	(+) BLACK and RED central crests
VEA-1-BK-Y	(+) BLACK and YELLOW central crests
VEA-1-BK-G	(+) BLACK and GREEN central crests
VEA-1-BK-O	(+) BLACK and ORANGE central crests
VEA-1-BK-B	(+) 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	(+) BLACK and WHITE central crests
VEA-2-BK-R	(+) BLACK and RED central crests
VEA-2-BK-Y	(+) BLACK and YELLOW central crests
VEA-2-BK-G	(+) BLACK and GREEN central crests
VEA-2-BK-O	(+) BLACK and ORANGE central crests
VEA-2-BK-B	(+) 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	(+) BLACK and WHITE central crests
VEA-3-L*-BK-R	(+) BLACK and RED central crests
VEA-3-L*-BK-Y	(+) BLACK and YELLOW central crests
VEA-3-L*-BK-G	(+) BLACK and GREEN central crests
VEA-3-L*-BK-O	(+) BLACK and ORANGE central crests
VEA-3-L*-BK-B	(+) BLACK and BLUE central crests



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



Double beam



LEDs et the rear

		
VEA-1	VEA-2	VEA-3
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 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-NECK	Neck protection with FR, HV, UV and water-repellent fabric for VISARC electrician helmet
VA-BAGSTD	Standard protective bag for VISARC electrician helmet - versions WITHOUT electronic module / ref. VEA-1 et 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



Ref. VA-WIPE



Ref. VA-BAGSTD



Ref. VA-NECK

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/ Spare parts

Reference	Description
VSP-PAK4000	Spare battery pack for ref. VEA-2 and VEA-3
VSP-FACE2-12	Spare Arc-Flash APC2 face shield for VISARC V2-12-LPP electrician helmets
VSP-HBAND	Comfort headband for VISARC electrician helmet
VSP-HARNESS-SP	Replacement harness for VISARC electrician helmet
VSP-CSTRAP	Chinstrap with chin protection - 4 attachment points
VSP-LPP	Integrated lateral and chin rigid protection for VISARC electrician helmet <i>(accessory only for V1 / integrated for V2)</i>



Ref. VSP-PAK4000



Ref. VSP-FACE2-12



Ref. VSP-HBAND



Ref. VSP-HARNESS-SP



Ref. VSP-CSTRAP



Ref. VSP-LPP