浙江华耕电子科技有限公司

ZHEJIANG HUAGENG ELECTRONIC TECHNOLOGY CO. LTD

ELECTRICAL PARTS FOR MARINE RV & CARAVAN

Company profile

浙江华耕电子科技有限公司成立于2018年，自有现代化独栋厂房，公司坐落于美丽的港口城市宁波，我们是一家具备科技创新能力设计、研发、生产、销售服务为一体专业制造商。

华耕科技立志成为12V&24V行业的领导者，主要为四驱车、露营车、拖车、房车、休闲车、游艇以及户外休闲市场提供完整的电源系统解决方案和应急启动解决方案。公司主要产品有12V&24V智能应急启动电源、整车电源控制系统、船用电源控制系统、12V-48V电源集成控制箱、高压直流继电器12V-48V锂电池组、 电池充电器、车载逆变器、以及12V&24V配件。我们拥有世界先进的研发核心技术，高效优质的供应链配套资源先进的生产设备和检测设备。自主研发产品获得各项产品专利以及产品设计均符合相关认证要求。我们支持OEM和ODM合作方式，我们始终坚持三个第一的经营理念：品质第一、客户第一、服务第一为经营理念。 以质量求生存，以科技创新技术求发展，秉持“科技创新、 持续改进、 质量保证、客户满意的经营方式”，力争发展成为国际专业性最强、规模最大的企业之一。竭诚欢迎各界精英人士，携手共创美好明天。我们将始终坚持为全球创造商业价值和社会价值而努力奋斗终身。

我们的愿景：成为细分领域世界知名品牌，成为实现所有合作伙伴梦想的平台。

我们的核心价值观：创新、诚信、共赢，责任、真诚、感恩、自信、快乐

我们的使命：让车船电路系统安全无忧，让生活更美好。

Zhejiang Huageng Electronic Technology Co., Ltd. was established in 2018 and operates in a modern standalone factory located in the beautiful port city of Ningbo. We are a professional manufacturer that integrates technological innovation, design, R&D, production, and sales services.

Huageng Technology is committed to becoming a leader in the 12V & 24V industry, primarily providing complete power system solutions and emergency start solutions for four-wheel drive vehicles, camping vehicles, trailers, recreational vehicles, leisure vehicles, yachts, and the outdoor leisure market. Our main products include 12V & 24V intelligent emergency start power supplies, vehicle power control systems, marine power control systems, 12-48V power integration control boxes, high-voltage DC relays, 12V-48V lithium battery packs, battery chargers, inverters, and 12V & 24V accessories.

We possess the advanced world-class core R&D technologies, efficient and high-quality supply chain resources, advanced production and testing equipments. Our independently developed products have obtained various patents, and our product designs all meet the relevant certification requirements.We support the OEM and ODM cooperation and consistently adhere to our business philosophy: "Quality first, Customer first and Service first." We insist in "Quality first" as foundation, develop through technological innovation, and uphold a business belief of "Technological innovation, Continuous improvement, Quality assurance, and Customer satisfaction." Our goal is to become one of the strongest and largest international professional enterprises. We sincerely welcome all the elites to join us to create a better tomorrow.

We are committed to creating global commercial and social value for life, and will strive for a lifetime.

Our vision: to become a world-renowned brand in our niche market and a platform for realizing the dreams of all our partners.

Our core values: Innovation, Integrity, Mutual Benefit, Responsibility, Sincerity, Gratitude, Self-confidence, and Happiness.

Our mission is to ensure that vehicle and vessel electrical systems are safe, and to make life better.

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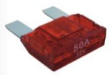
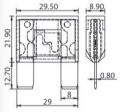
Fuse Holders

- Panel Mount Fuse Holders
- In-line Glass-tube Fuse Holders
- In-line Automotive Fuse Holders

MAXI / ATX – Heavy-duty Blade Fuses



- Heavy-duty blade fuse protects circuits up to 80A
- Voltage Rating: DC 32V
- Transparent body for easy indication of blown fuse
- Optional gold plated terminals available



Product ID	Amps	Color Coding
AOA4903-20A	20 A	Yellow
AOA4903-30A	30 A	Green
AOA4903-40A	40 A	Orange
AOA4903-50A	50 A	Red
AOA4903-60A	60 A	Blue
AOA4903-70A	70 A	Tan
AOA4903-80A	80 A	Natural

Dual-Purpose Fuse Tester/Puller

AOA1914

- Indicating Green LED for easy identification of blown fuse in fuse box
- Adjustable probe pitch allowing test on fuses of different sizes: MAXI, ATO/ATC, ATM
- Fuse puller for easy removal of blown fuse

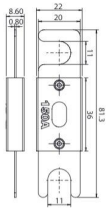
Other Fuses

GBC Fuses– European Style Bakelite Fuses

- 6.0x 25.0mm
- Voltage Rating: DC 32V

Product ID	Amps	Color Coding
AOA1915-5A	5 A	Yellow
AOA1915-8A	8 A	White
AOA1915-16A	16 A	Red
AOA1915-20A	20 A	Ivory
AOA1915-25A	25 A	Blue
AOA1915-30A	30 A	Green

ANL Fuses– Fuses for high amperage applications



- Body Material: See Below
- Metal Element: Brass, Gold Plated
- Voltage: 32V DC
- Ignition Protected (ISO8846) model available at extra cost

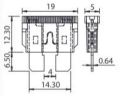
Electrical characteristics	
of Amp. Rating	Blowtime
100 Rating	4 Hours,Minimum
150 Rating	60 Sec.,Minimum
200 Rating	15 Sec.,Minimum

Product ID	Amps	Body Material
AOA1919-35A	35A	Nylon + Glass Fiber
AOA1919-50A	50 A	Nylon + Glass Fiber
AOA1919-70A	70 A	Nylon + Glass Fiber
AOA1919-100A	100 A	Ceramic
AOA1919-150A	150 A	Ceramic
AOA1919-200A	200 A	Ceramic
AOA1919-250A	250 A	Ceramic
AOA1919-300A	300 A	Ceramic
AOA1919-350A	350 A	Ceramic
AOA1919-400A	400 A	Ceramic

Automotive Blade Fuses

ATP/ ATO/ATC – Standard Blade Fuses

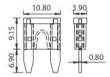
- Voltage Rating: DC 32V
- Transparent body for easy indication of blown fuse



Product ID	Amps	Color Coding
AOA4900-1A	1 A	Black
AOA4900-2A	2 A	Gray
AOA4900-3A	3 A	Violet
AOA4900-4A	4 A	Pink
AOA4900-5A	5 A	Tan
AOA4900-7.5A	7.5 A	Brown
AOA4900-10A	10 A	Red
AOA4900-15A	15 A	Lt. Blue
AOA4900-20A	20 A	Yellow
AOA4900-25A	25 A	Natural
AOA4900-30A	30 A	Lt. Green

ASP/ATM/Mini – Mini Blade Fuses

- Compact size
- Voltage Rating: DC 32V
- Transparent body for easy indication of blown fuse



Product ID	Amps	Color Coding
AOA4901-2A	2 A	Gray
AOA4901-3A	3 A	Violet
AOA4901-4A	4 A	Pink
AOA4901-5A	5 A	Tan
AOA4901-7.5A	7.5 A	Brown
AOA4901-10A	10 A	Red
AOA4901-15A	15 A	Lt. Blue
AOA4901-20A	20 A	Yellow
AOA4901-25A	25 A	Natural
AOA4901-30A	30 A	Lt. Green

In-line Automotive Fuse Holders

Water-resistant In-Line Fuse Holder for ATP/ATC/ATO Fuses

AOA4904

- For ATP/ATC/ATO automotive fuses
- Amperage rating: Max 30A
- Wire Gauge: #10-#18 AWG
- Molded wiring for better sealing
- Water-resistant

Water-resistant In-Line Fuse Holder for Automotive Fuses

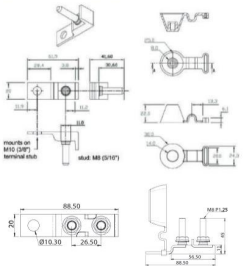
AOA4909

- Water-resistant with cap
- Molded wiring for better sealing
- Available in 3 different sizes

Product Series			
Product ID	Compatible Fuses	Wire Gauge	Amp Rating
AOA49095	ATM/ASP	#12-#16	30A
AOA4909	ATP/ATC/ATO	#10-#18	30A
AOA4909L	MAXI/ATX	#4 - #6	80A

Battery Terminal Block Fuse Holder Terminal with Cover

A5313



Specifications

- Material cap by PVC, 94V0 grade base by PPS, 94V0 grade stud by stainless steel
- Conductive by red cooper, copper tin plating
- Voltage maximum operating 58V dc
- Amperage maximum operating 300A
- Maximum torque 75 in-lbs (8.47 Nm)
- Terminal stud size M8 (5/16")
- Fuse type cerlmlc termlnal fuse
- Hi-amp battery fuse available 50-300Amps

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Fuse Blockes

- Glass-tube AGC/JMC Fuse Holders
- Modular Design Blade (ATP/ATO/ATC) Fuse Blocks
- Multi-use Compact Modular Design Blade Fuse Blocks
- Modern Design Glass-tube AGC Fuse Blocks Series

Fuse Blocks

Glass-tube AGC Fuse Blocks

Common Source AGC Fuse Blocks
AOA1303(2P-12P)

Dimensions	
Product ID	Dimensions (H x W)
AOA1303-2P	57 x 31 mm
AOA1303-4P	57 x 62 mm
AOA1303-6P	57 x 93 mm
AOA1303-8P	57 x 126 mm
AOA1303-10P	57 x 157 mm
AOA1303-12P	57 x 188 mm

Specifications

- Base Material | ABS + Glass Fiber
- Clip Material | Brass
- Max Operating Voltage | DC 32V
- Max Amp per circuit | 20A
- Max Cumulative Amp | 60A
- Screw Size | M5 x P0.8 x 6

Reinforced Nylon Base Glass-tube AGC Fuse Blocks
AOA1304 / AOA1305 / AOA1309 (4P,6P,8P)

Product ID	AOA1304	AOA1305	AOA1309
Description	Common Source Fuse Block with Negative Bus	Common Source Fuse Block	Independent Source Fuse Block
Positive Source	Common Source	Common Source	Independent Source
Negative Bus Bar	Yes	None	None
Max Cumulative Amp	80A	50A	-
Dimensions (L x W)			
4P	84 x 76 mm	62 x 76 mm	62 x 76 mm
6P	84 x 114 mm	62 x 114 mm	62 x 114 mm
8P	84 x 152 mm	62 x 152 mm	62 x 152 mm

Specifications

- Base Material | Nylon, Glass Fiber reinforced
- Clip Material | Brass
- Max Operating Voltage | DC 32V
- Max Amp per circuit | 20A
- Max Cumulative Amp | See each model
- Screw Size | No.8-32 x 1/4

Bus Bars

Dual Bus Bars
AOA1300 (4P-8P)

Dimensions	
Product ID	Dimensions (H x W)
AOA1300-4P	38 x 76 mm
AOA1300-6P	38 x 114 mm
AOA1300-8P	38 x 152 mm

Specifications

- Base Material | Nylon, Glass Fiber reinforced
- Bus Material | Brass
- Max Operating Voltage | DC 32V
- Max Cumulative Amp | 60A for each bus
- Screw Size | No.8-32x1/4

Large Current Bus Bar
AOA1301 (10P)

Specifications

- Base Material | PBT, Glass Fiber reinforced
- Bus Material | Copper, Brass-plated
- Max Operating Voltage | DC 48V
- Max Cumulative Amp | 150A
- Screw Size | No.8-32 x 1/4
- Terminal Stud Size | M6 x 25mm
- Dimensions (L x W) | 146 x 31.5mm

Modular Design Blade (ATP/ATO/ATC) Fuse Blocks

Best Seller PATENTED TW,CH

The AOA190X series are compact and solid blade fuse blocks designed for 24-hour circuits. The fuse blocks come with blown fuse indication LEDs, clear cover with recessed areas for label stickers and are available in two versions with different terminals (screw or quick terminals).

Two Modules for all

AMOMD Marine exclusive modular design – two basic modules can be combined into 4 popular fuse blocks (and more depending on specific needs). The assembly is very simple and can be done by consumers alone (instruction manual included). This not only gives consumers flexibility to expand their current fuse block, but also allows retailers to save precious shelf space in the store.

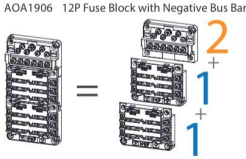
6P Fuse Block *12P Negative Bus Bar*

AOA1901 6P Fuse Block

AOA1904 6P Fuse Block with Negative Bus Bar

AOA1905 12P Fuse Block

AOA1906 12P Fuse Block with Negative Bus Bar



New Compact 2 in 1 model

New Product

AOA1935 2-in-1Fuse Block in one piece

AOA1904=AOA1901+AOA1903

- More compact and cost-effective model when you need negative bus bar pre-combined
- Size reduced by 19%, significant cost reduction
- Same design language with all same great features

Series Features

- Accepts Automotive Blade Fuses (ATP/ATC/ATO)
- Modular Design saves shelf space (2 items can be combined into 4 models)
- Transparent cover with recessed area for label stickers
- 60 pieces assorted label stickers set included
- Storage for 2 spare fuses (for each 6P block)
- LED indication of blown fuses

Specifications

- Voltage Rating | DC 32V Max
- Amp Rating per Branch | 30A (Screw Terminals) / 20A (Quick Terminals)
- Max Cumulative Amp | 100A per block
- Terminal Stud Size | M5 (3/16")
- Screw Size | M4 (5/32") (AOA190x Only)
- Note | Patented in Taiwan(M490103) & China(ZL201420495842.4)

Product Series

Basic modules

AOA1901 / AOA1909 (6P Fuse Blocks)

AOA1903 /AOA1910 (12P Negative Bus Bar)

Combined Models New

Cost-effective combined Fuse Blocks with Negative Bus bar

AOA1935 / AOA1945 (6P fuse block + Neg. bus bar)

AOA1949 / AOA1950 (12P fuse block + Neg. bus bar)

Pre-assembled Models

Basic Modules pre-assembled in factory

AOA1905 / AOA1913 (12P = 2 x 6P fuse blocks)

Product ID	Terminals	Circuits	Negative Bus Bar	Product Dimensions (W x L x H)	Note
AOA1901	Screws (M4)	6	-	86 x 78 x 41 mm	6P Fuse block module
AOA1909	Quick (0.250")	6	-	86 x 78 x 41 mm	6P Fuse block module
AOA1903	Screws (M4)	-	12 Circuits	86 x 57 x 41 mm	12P Neg. bus bar module
AOA1910	Quick (0.250")	-	12 Circuits	86 x 57 x 41 mm	12P Neg. bus bar module
AOA1905	Screws (M4)	12	-	86 x 134 x 41 mm	2 x 6P fuse blocks pre-assembled
AOA1913	Quick (0.250")	12	-	86 x 134 x 41 mm	2 x 6P fuse blocks pre-assembled
AOA1935	Screws (M4)	6	6 Circuits	85 x 93 x 36 mm	One-piece fuse block + neg. bus bar
AOA1945	Quick (0.250")	6	6 Circuits	85 x 93 x 36 mm	One-piece fuse block + neg. bus bar
AOA1949	Screws (M4)	12	12 Circuits	85 x 132 x 36 mm	One-piece fuse block + neg. bus bar
AOA1950	Quick (0.250")	12	12 Circuits	85 x 132 x 36 mm	One-piece fuse block + neg. bus bar

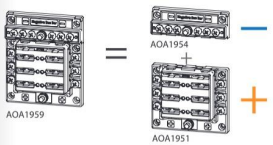
All models can also be sold without covers or without blown fuse indicating LEDs.

Multi-use Compact Modular Design Blade Fuse Blocks

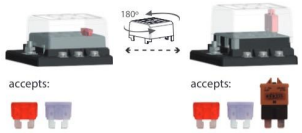
New Product

The AOA195x series is more compact and economical version of the popular AOA190x series. It not only keeps AOA190x series signature positive / negative modular design and LED fuse blown indication, but also equipped with new features like circuit breaker type fuse support (with patent pending cover design). The patent pending cover design allows shipping and packaging in compact size while expending the cover height when required by reversing the cover 180 detgrees. AOA195x is suitable not only in marine but also in the car/caravan market as a lower-cost alternative to AOA190x series.

Signature Positive / Negative Modular Design



Patent pending dual-use cover design:



Normal Height for regular fuses / Extra Height for Fuse Type Circuit Breakers

Features

- Accepts standard (ATP/ATC/ATO) blade fuses
- Patent pending cover design supports circuit breaker type fuses with extra height
- Modular positive and negative bus bar design
- Transparent cover with recessed area for label stickers
- 60 pieces assorted label stickers set included
- Storage for 2 spare fuses
- LED indication of blown fuses

Specifications

- Voltage Rating | DC 32V Max
- Amp Rating per Branch | 30A (Screw Terminals) / 20A (Quick Terminals)
- Max Cumulative Amp | 100A per block
- Terminal Stud Size | M5 (3/16")
- Screw Size | M4 (5/32") (BF27x Only)
- Note | CE

Product Series

AOA1951

AOA1954

AOA1959

AOA1951Q

AOA1959Q

AOA1953

AOA1955

AOA1990

AOA1953Q

AOA1955Q

AOA1990Q

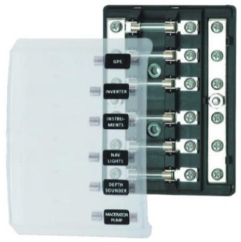
Product ID	Terminals	Circuits	Negative Bus Bar	Product Dimensions (W x L x H)	Note
AOA1951	Screws (M4)	6	-	85 x 72 x 40 mm	-
AOA1953	Screws (M4)	12	-	86 x 117 x 40 mm	-
AOA1954	Screws (M4)	-	6 Circuits	85 x 29.75 x 30.9 mm	Negative Bus Bar Module (6P)
AOA1955	Screws (M4)	-	12 Circuits	85 x 29.75 x 30.9 mm	Negative Bus Bar Module (12P)
AOA1959	Screws (M4)	6	6 Circuits	85 x 100 x 40 mm	Pre-assembled fuse block w/ bus bar
AOA1990	Screws (M4)	12	12 Circuits	85 x 145 x 40 mm	Pre-assembled fuse block w/ bus bar
AOA1951Q	Quick (0.250")	6	-	85 x 72 x 40 mm	-
AOA1953Q	Quick (0.250")	12	-	85 x 117 x 40 mm	-
AOA1955Q	Quick (0.250")	-	12 Circuits	85 x 29.75 x 25.2 mm	Negative Bus Bar Module (12P)*
AOA1959Q	Quick (0.250")	6	12 Circuits	85 x 100 x 40 mm	Pre-assembled fuse block w/ bus bar
AOA1990Q	Quick (0.250")	12	12 Circuits	85 x 145 x 40 mm	Pre-assembled fuse block w/ bus bar

*Quick terminal negative bus bar (AOA1955Q) comes without cover due to its upward terminal design; use screw terminal version (AOA1955) if cover is required.

Modern Design Glass-tube AGC Fuse Blocks Series

PATENTED TW,CH

AOA1915 / AOA1919 / AOA1930



Features

- LED indication of blown fuses
- Redesigned fuse clips hold fuses firmly and steadily
- Transparent cover with recessed area for label stickers and storage for 6 spare fuses
- 60 pieces label stickers included

Specifications

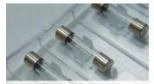
- Base Material | PBT, glass fiber reinforced
- Max Operating Voltage | 32V
- Amp Rating per Branch | 30A
- Max Cumulative Amp | 100A per block
- Screw Size | M4 (5/32")
- Terminal Stud Size | M5 (3/16")
- Note | Patented in Taiwan(D182308) & China(ZL201630425859.7)

* M4 screw is comparable to #8-32 screws and M5 stud is comparable to #10-32 Studs.

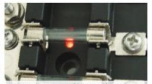
AOA1915-6

AOA1919-6

AOA1930-6



Storage for spare fuses

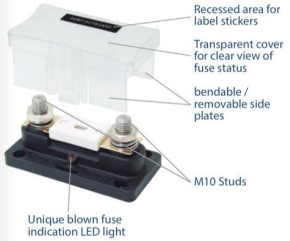


LED indication of blown fuses

Product ID	Circuits	Positive Source	Negative Bus Bar	Product Dimensions	Note
AOA1915-6	6	Common Source	6 Circuits	129 x 91 mm	Common Source Fuse Block with Negative Bus Bar
AOA1919-6	6	Common Source	-	129 x 91 mm	Common Source Fuse Block
AOA1930-6	6	Independent Source	-	129 x 91 mm	Independent Source Fuse Block

Compact ANL Fuse Holder

AOA1931



Features

- Accepts 35-300A ANL Fuses (not included)
- Compact size 49 x 98 x 50 (W x L x H) mm (including cover)
- Transparent cover for clear view of fuse status
- Cover with recessed area for label stickers (5 pcs assorted label stickers included)
- Bendable / removable side plates for flexible wiring
- Unique blown fuse indication LED light

Specifications

- Max Operation Voltage | DC 32V
- Max Continuous Current | 35-300A (fuse dependent)
- Terminal Stud Size | 2 x M10(3/8")