



Shenzhen Forman Precision Industry Co., Ltd.

Add: Building K, No. 2, Longshan Eighth Road, Luotian Community,
Yanluo Street, Baoan District, Shenzhen City, GD, China.

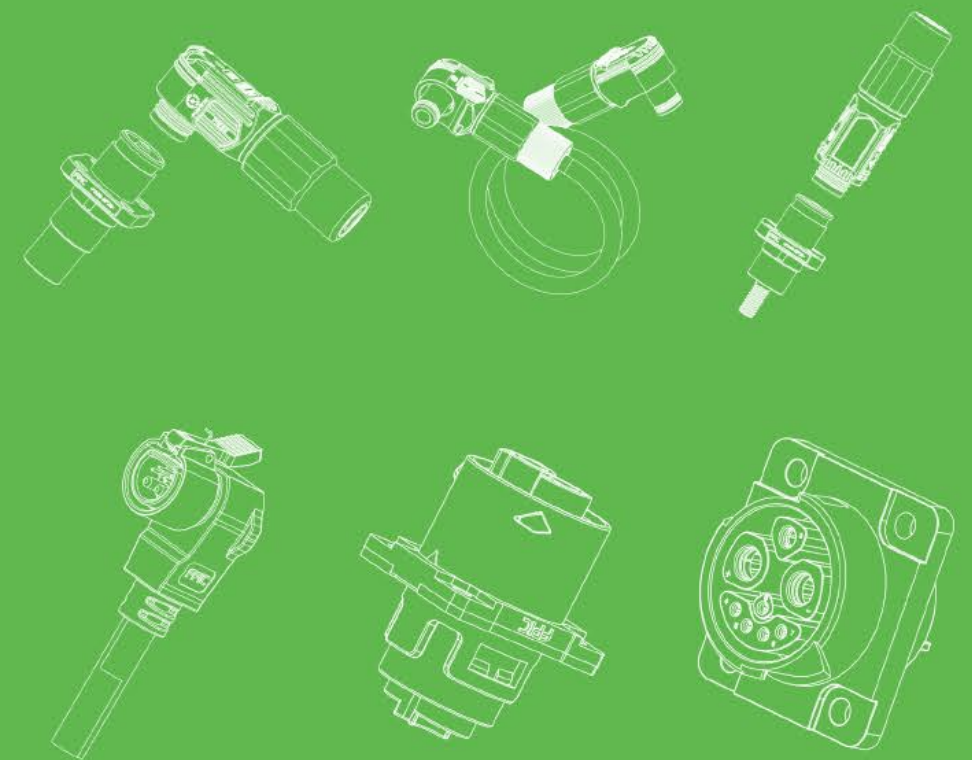
Tel: 0086-755-81738902

Email: info@fpiconn.com

FPIC FORMAN PRECISION INDUSTRY



New Energy Connectors and Cable



<https://fpiconn.com/>

“IF THERE IS A WAY
TO DO IT BETTER,
FIND IT”

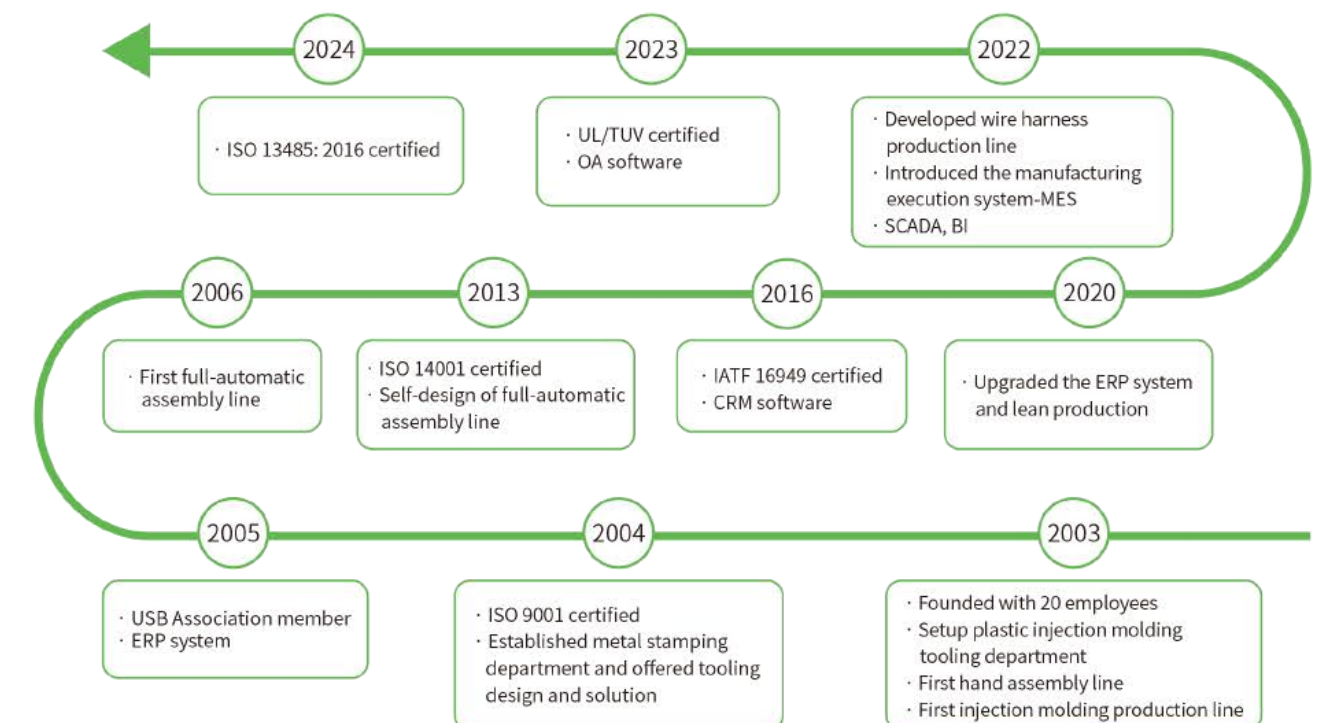
By: Thomas Alva Ediaon

Company Profile >>>

Shenzhen Forman Precision Industry Co., LTD is a leading and experienced manufacturing vendor, dedicated to the development of metal and plastic parts. For over 20 years, we have specialized in the design and production of connectors and cables assembly. Our market spans the automotive, new energy, industrial automation, and medical devices sectors.

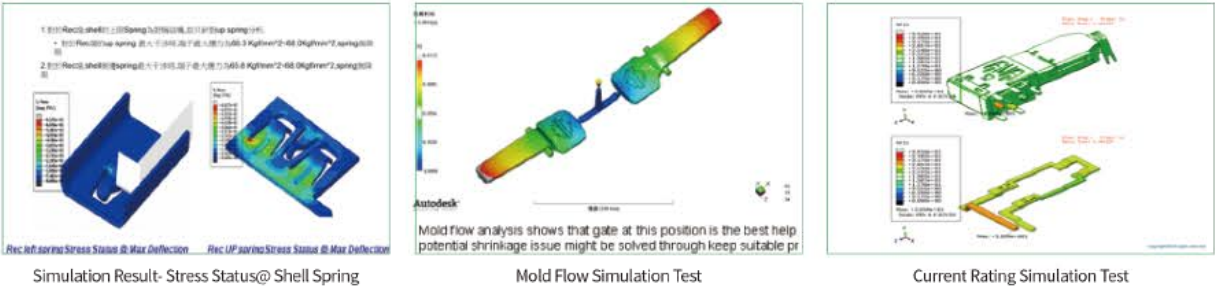
We are certified by ISO 9001, ISO 14001, IATF 16949, and ISO 13485, and we are also a member of the USB Association, with UL and TUV certifications.

Our goal is to provide a unique service experience and add value for our customers through end-to-end management. We take pride in our reputation for being fast, flexible, and customer-focused.



Our Advantages

The Experienced R&D Team and CAE Software Support



The Modernization One-stop Production Process



We Strictly Implement The Process Of Product Quality



Contents

Energy Storage Connectors	01-31
EV Connectors	32-40
E-motorcycle Connectors	41-48
PV Connetors	49-52
Energy Storage Cable Assembly	53-55
Busbar	56
Other Products	57

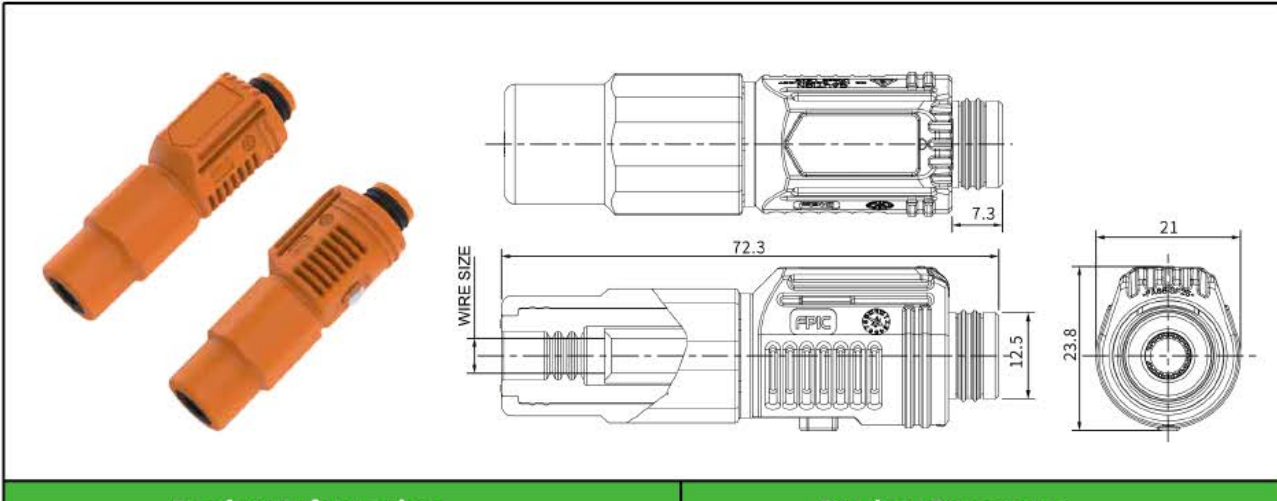
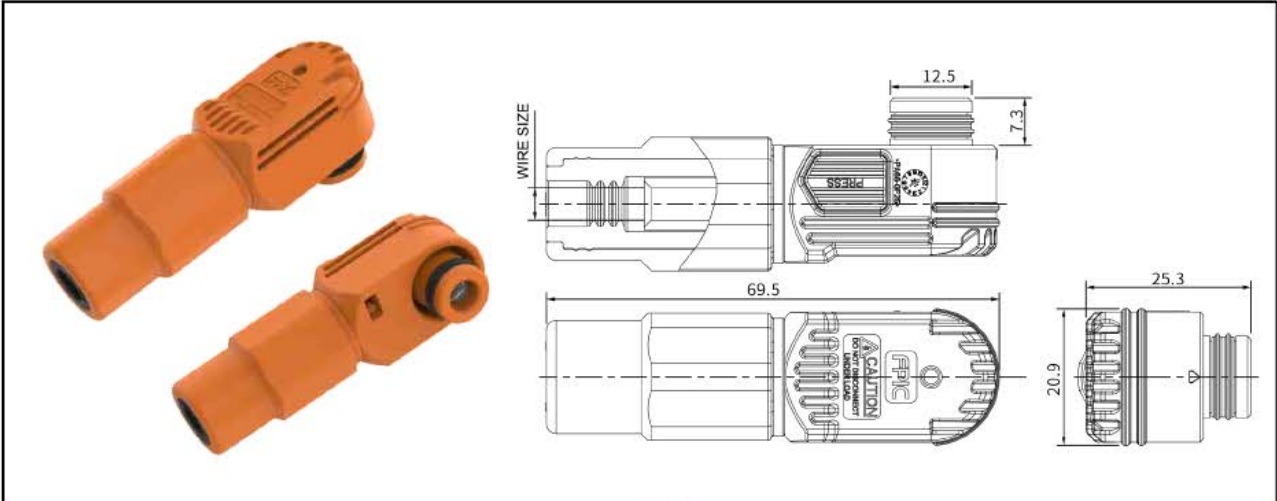
1000V

60A~120A Plug

60A~120A Straight Plug

Energy Storage Connectors

Energy Storage Connectors



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	60A~120A
Unlocking Method	Hand Unlocking	Rated Voltage	1000V DC
Palm Rejection	IP2XB	Voltage Resistance	3000V AC
Wire Size	10mm ² ~25mm ²	Insulation Resistance	1000MΩ Min
Pin Size	6.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	60A~120A
Unlocking Method	Tool Or Hand Unlocking	Rated Voltage	1000V DC
Palm Rejection	IP2XB	Voltage Resistance	3000V AC
Wire Size	10mm ² ~25mm ²	Insulation Resistance	1000MΩ Min
Pin Size	6.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

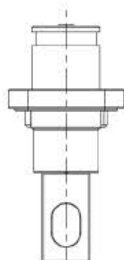
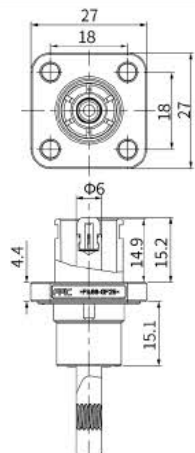
Part No.	Wire Size	Rated Current	Color
A082-1F06-C010N-0A-01	10mm ²	60A	Black
A082-1F06-C010N-5A-01			Red
A082-1F06-C010N-6A-01			Orange
A082-1F06-C016N-0A-01	16mm ²	80A	Black
A082-1F06-C016N-5A-01			Red
A082-1F06-C016N-6A-01			Orange
A082-1F06-C025N-0A-01	25mm ²	120A	Black
A082-1F06-C025N-5A-01			Red
A082-1F06-C025N-6A-01			Orange

Part No.	Wire Size	Rated Current	Color
A082-0F06-C010N-0A-01	10mm ²	60A	Black
A082-0F06-C010N-5A-01			Red
A082-0F06-C010N-6A-01			Orange
A082-0F06-C016N-0A-01	16mm ²	80A	Black
A082-0F06-C016N-5A-01			Red
A082-0F06-C016N-6A-01			Orange
A082-0F06-C025N-0A-01	25mm ²	120A	Black
A082-0F06-C025N-5A-01			Red
A082-0F06-C025N-6A-01			Orange

1000V

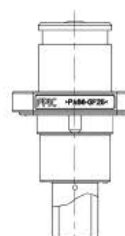
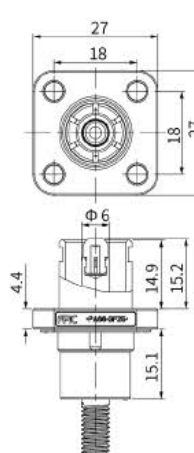
120A Receptacle

120A Receptacle



Copper Bar Inner Thread

Copper Bar Through Hole



Outer Thread

Inner Thread

Crimping

Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	120A
Connection Type	Thread/Through Hole	Rated Voltage	1000V DC
Palm Rejection	IP2XB	Voltage Resistance	3000V AC
Installation Location	Front Installation	Insulation Resistance	1000MΩ Min
Pin Size	6.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Part No.	Connection Type	Rated Current	Color
A082-2M06-D006F-0A-01	Copper Bar Inner Thread	120A	Black
A082-2M06-D006F-5A-01			Red
A082-2M06-D006F-6A-01			Orange
A082-2M06-E006F-0A-01	Copper Bar Through Hole		Black
A082-2M06-E006F-5A-01			Red
A082-2M06-E006F-6A-01			Orange

Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	120A
Connection Type	Thread/Crimping	Rated Voltage	1000V DC
Palm Rejection	IP2XB	Voltage Resistance	3000V AC
Installation Location	Front Installation	Insulation Resistance	1000MΩ Min
Pin Size	6.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

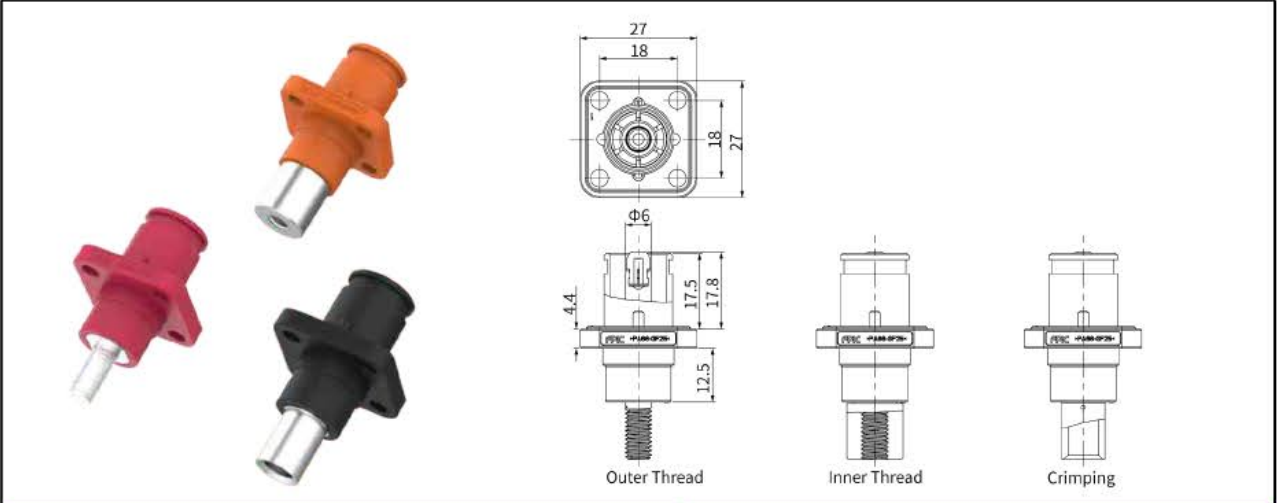
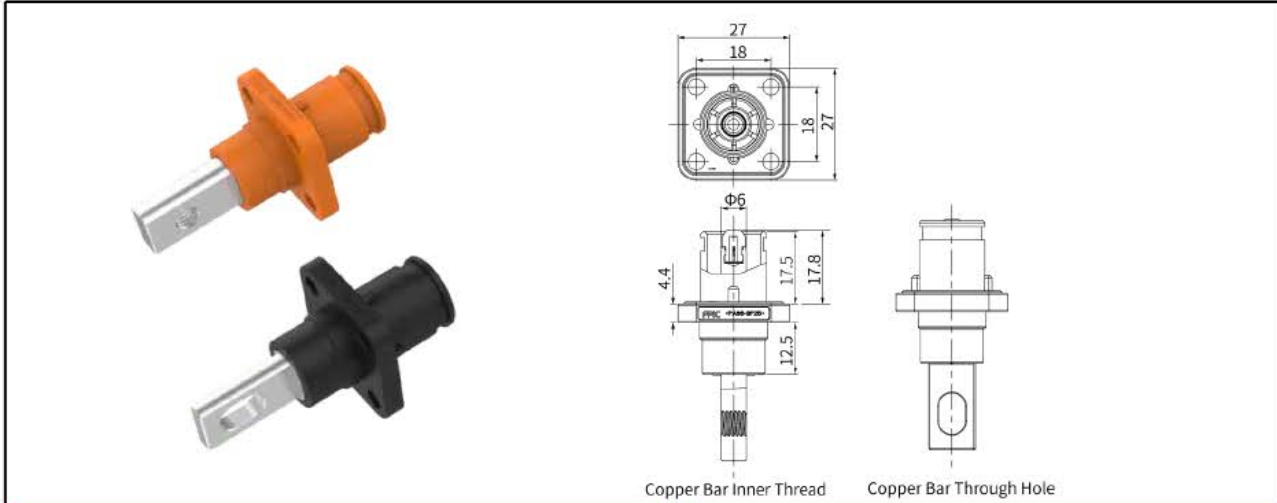
Part No.	Connection Type	Rated Current	Color
A082-2M06-A006F-0A-01	Inner Thread	120A	Black
A082-2M06-A006F-5A-01			Red
A082-2M06-A006F-6A-01			Orange
A082-2M06-B006F-0A-01	Outer Thread		Black
A082-2M06-B006F-5A-01			Red
A082-2M06-B006F-6A-01			Orange
A082-2M06-C025F-0A-01	Crimping		Black
A082-2M06-C025F-5A-01			Red
A082-2M06-C025F-6A-01			Orange

1000V / 120A Receptacle

120A Receptacle

Energy Storage Connectors

Energy Storage Connectors



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	120A
Connection Type	Thread/Through Hole	Rated Voltage	1000V DC
Palm Rejection	IP2XB	Voltage Resistance	3000V AC
Installation Location	Back Installation	Insulation Resistance	1000MΩ Min
Pin Size	6.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	60A~120A
Connection Type	Thread/Crimping	Rated Voltage	1000V DC
Palm Rejection	IP2XB	Voltage Resistance	3000V AC
Installation Location	Back Installation	Insulation Resistance	1000MΩ Min
Pin Size	6.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

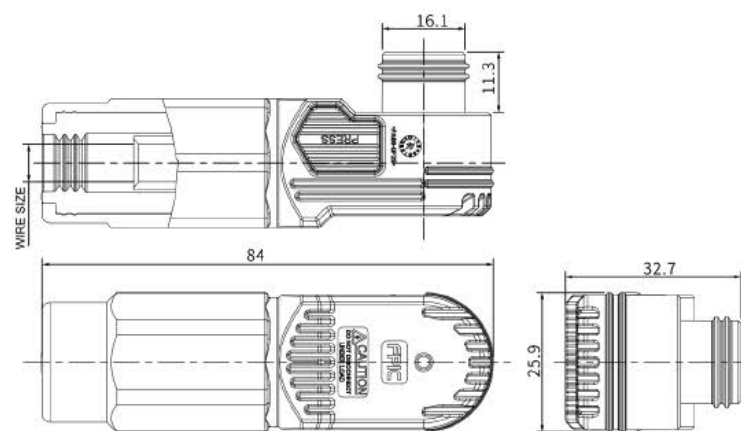
Part No.	Connection Type	Rated Current	Color
A082-2M06-D006B-0A-01	Copper Bar Inner Thread	120A	Black
A082-2M06-D006B-5A-01			Red
A082-2M06-D006B-6A-01			Orange
A082-2M06-E006B-0A-01	Copper Bar Through Hole		Black
A082-2M06-E006B-5A-01			Red
A082-2M06-E006B-6A-01			Orange

Part No.	Connection Type	Rated Current	Color	
A082-2M06-A006B-0A-01	Inner Thread	120A	Black	
A082-2M06-A006B-5A-01			Red	
A082-2M06-A006B-6A-01			Orange	
A082-2M06-B006B-0A-01	Outer Thread		Black	
A082-2M06-B006B-5A-01			Red	
A082-2M06-B006B-6A-01			Orange	
A082-2M06-C025B-0A-01	Crimping			Black
A082-2M06-C025B-5A-01				Red
A082-2M06-C025B-6A-01				Orange

1000V

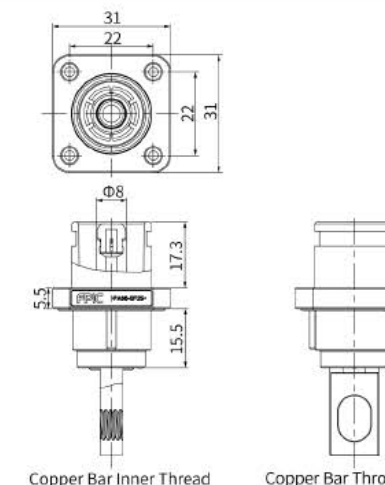
120A~200A Plug

200A Receptacle



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	120A~200A
Unlocking Method	Hand Unlocking	Rated Voltage	1000V DC
Palm Rejection	IP2XB	Voltage Resistance	3000V AC
Wire Size	25mm ² ~50mm ²	Insulation Resistance	1000MΩ Min
Pin Size	8.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Part No.	Wire Size	Rated Current	Color
A081-1F08-C025N-0A-01	25mm ²	120A	Black
A081-1F08-C025N-5A-01			Red
A081-1F08-C025N-6A-01			Orange
A081-1F08-C035N-0A-01	35mm ²	150A	Black
A081-1F08-C035N-5A-01			Red
A081-1F08-C035N-6A-01			Orange
A081-1F08-C050N-0A-01	50mm ²	200A	Black
A081-1F08-C050N-5A-01			Red
A081-1F08-C050N-6A-01			Orange

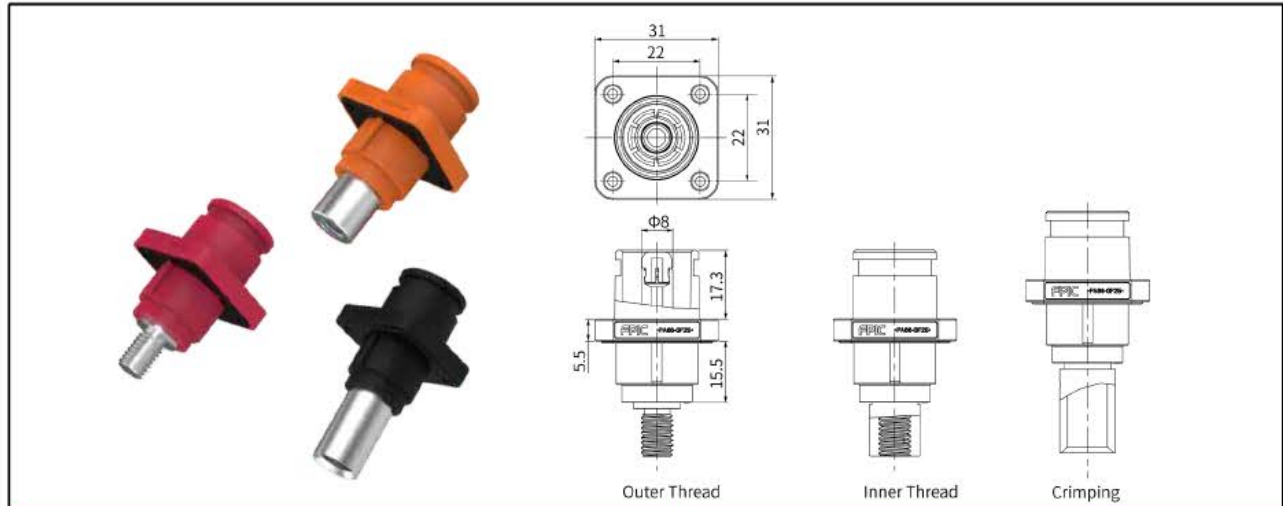


Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	200A
Connection Type	Thread/Through Hole	Rated Voltage	1000V DC
Palm Rejection	IP2XB	Voltage Resistance	3000V AC
Installation Location	Front Installation	Insulation Resistance	1000MΩ Min
Pin Size	8.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	P Level	IP67

Part No.	Connection Type	Rated Current	Color
A081-2M08-D008F-0A-01	Copper Bar Inner Thread	200A	Black
A081-2M08-D008F-5A-01			Red
A081-2M08-D008F-6A-01			Orange
A081-2M08-E008F-0A-01	Copper Bar Through Hole		Black
A081-2M08-E008F-5A-01			Red
A081-2M08-E008F-6A-01			Orange

1000V

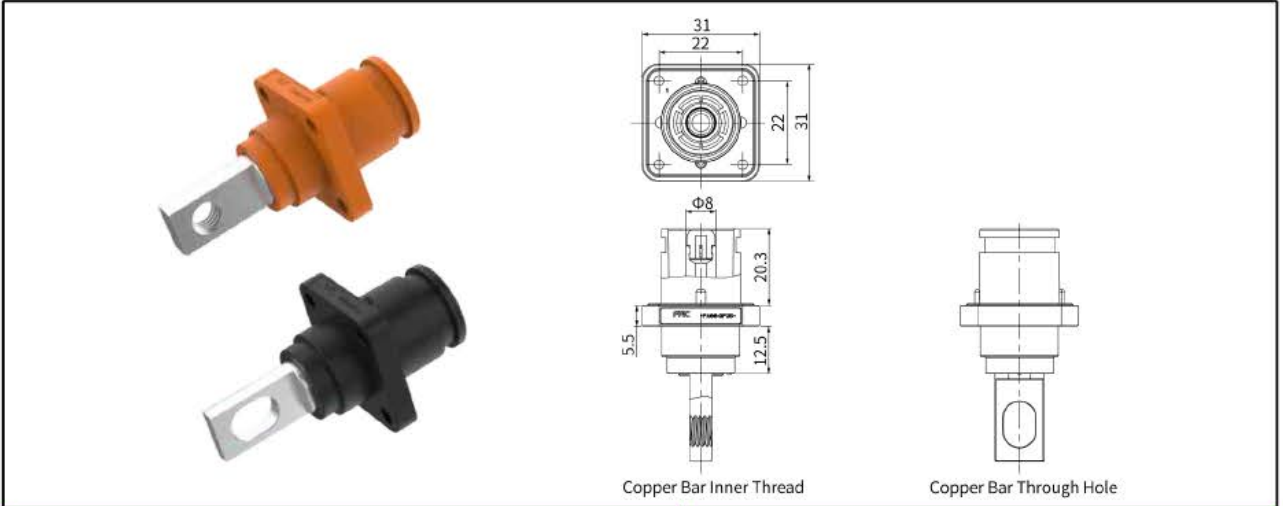
200A Receptacle



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	200A
Connection Type	Thread/Crimping	Rated Voltage	1000V DC
Palm Rejection	IP2XB	Voltage Resistance	3000V AC
Installation Location	Front Installation	Insulation Resistance	1000MΩ Min
Pin Size	8.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Part No.	Connection Type	Rated Current	Color
A081-2M08-A008F-0A-01	Inner Thread	200A	Black
A081-2M08-A008F-5A-01			Red
A081-2M08-A008F-6A-01			Orange
A081-2M08-B008F-0A-01	Outer Thread		Black
A081-2M08-B008F-5A-01			Red
A081-2M08-B008F-6A-01			Orange
A081-2M08-C050F-0A-01	Crimping		Black
A081-2M08-C050F-5A-01			Red
A081-2M08-C050F-6A-01			Orange

200A Receptacle

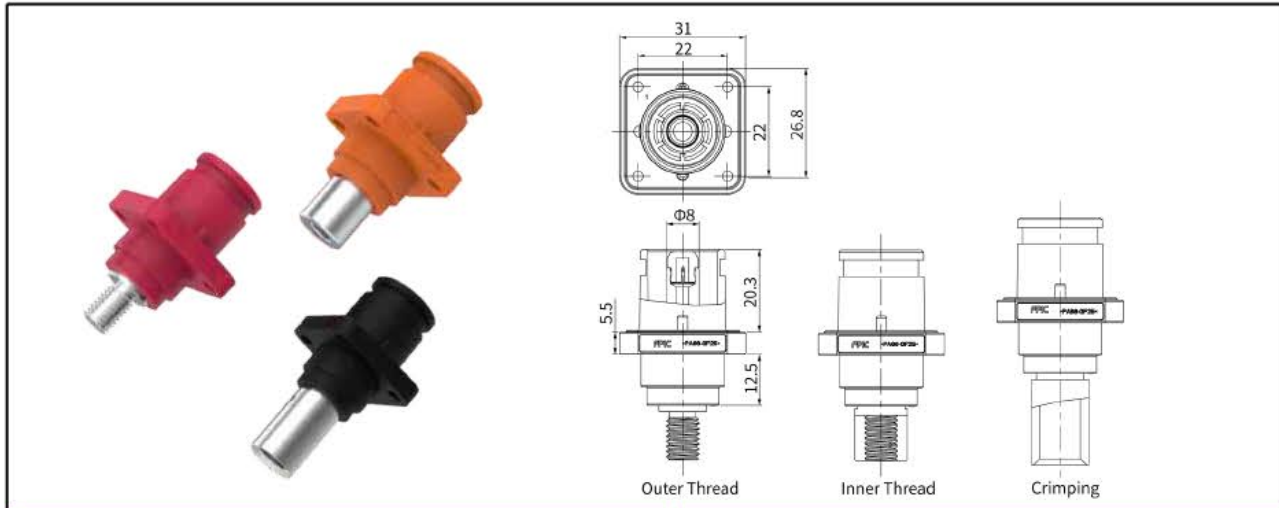


Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	200A
Connection Type	Thread/Through Hole	Rated Voltage	1000V DC
Palm Rejection	IP2XB	Voltage Resistance	3000V AC
Installation Location	Back Installation	Insulation Resistance	1000MΩ Min
Pin Size	8.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Part No.	Connection Type	Rated Current	Color
A081-2M08-D008B-0A-01	Copper Bar Inner Thread	200A	Black
A081-2M08-D008B-5A-01			Red
A081-2M08-D008B-6A-01			Orange
A081-2M08-E008B-0A-01	Copper Bar Through Hole		Black
A081-2M08-E008B-5A-01			Red
A081-2M08-E008B-6A-01			Orange

1000V

200A Receptacle

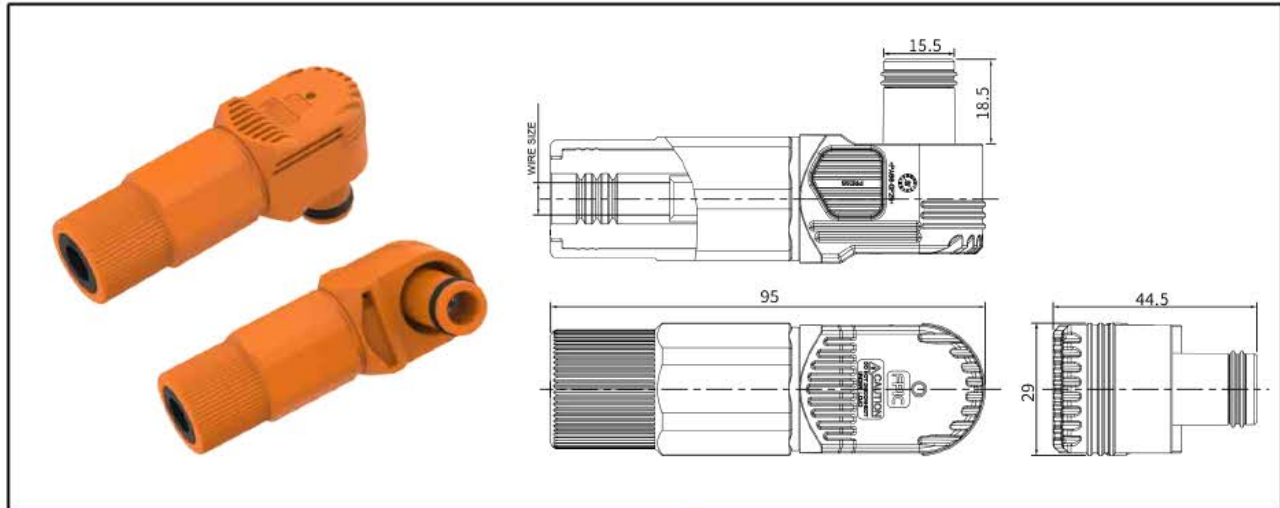


Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	200A
Connection Type	Thread/Crimping	Rated Voltage	1000V DC
Palm Rejection	IP2XB	Voltage Resistance	3000V AC
Installation Location	Back Installation	Insulation Resistance	1000MΩ Min
Pin Size	8.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Part No.	Connection Type	Rated Current	Color
A081-2M08-A008B-0A-01	Inner Thread	200A	Black
A081-2M08-A008B-5A-01			Red
A081-2M08-A008B-6A-01			Orange
A081-2M08-B008B-0A-01	Outer Thread		Black
A081-2M08-B008B-5A-01			Red
A081-2M08-B008B-6A-01			Orange
A081-2M08-C050B-0A-01	Crimping		Black
A081-2M08-C050B-5A-01			Red
A081-2M08-C050B-6A-01			Orange

1500V

120A~200A Plug

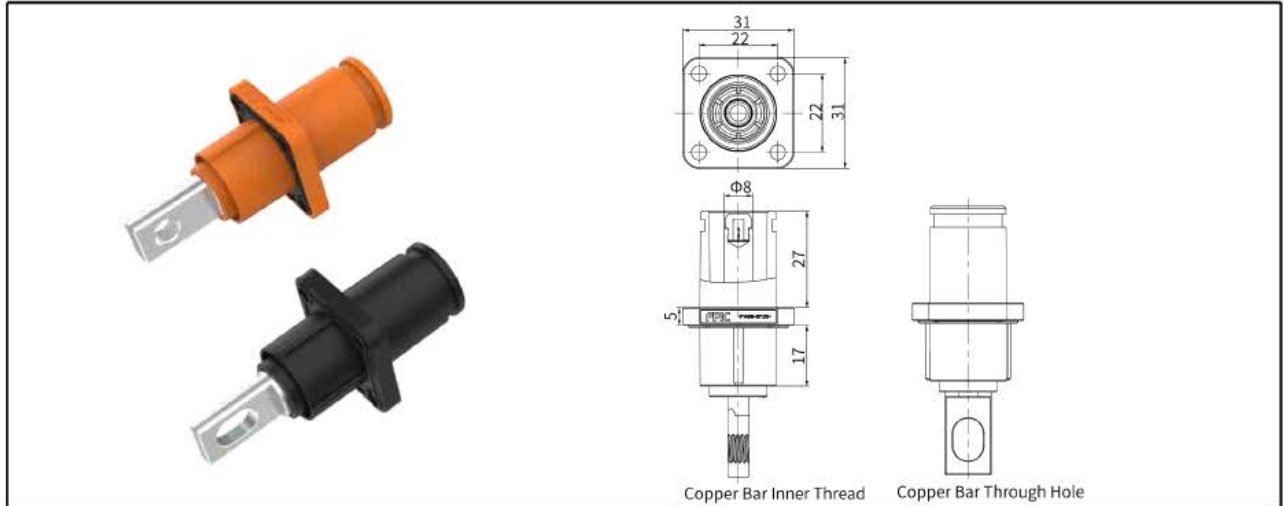


Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	120A~200A
Unlocking Method	Hand Unlocking	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Wire Size	25mm ² ~50mm ²	Insulation Resistance	1000MΩ Min
Pin Size	8.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Part No.	Wire Size	Rated Current	Color
A083-1F08-C025N-0A-01	25mm ²	120A	Black
A083-1F08-C025N-5A-01			Red
A083-1F08-C025N-6A-01			Orange
A083-1F08-C035N-0A-01	35mm ²	150A	Black
A083-1F08-C035N-5A-01			Red
A083-1F08-C035N-6A-01			Orange
A083-1F08-C050N-0A-01	50mm ²	200A	Black
A083-1F08-C050N-5A-01			Red
A083-1F08-C050N-6A-01			Orange

1500V

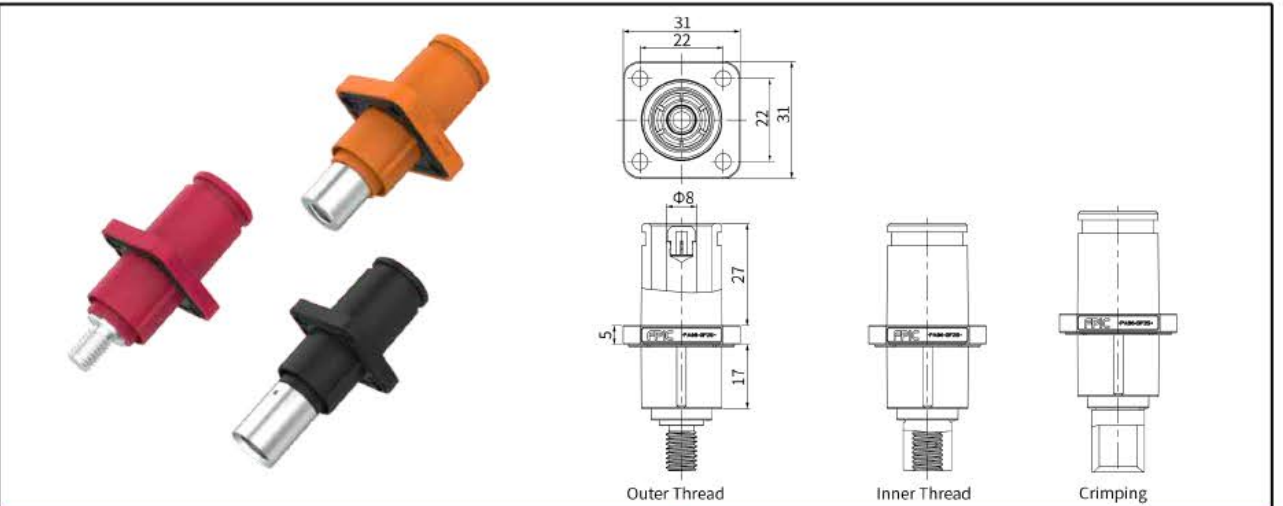
200A Receptacle



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	200A
Connection Type	Thread/Through Hole	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Front Installation	Insulation Resistance	1000MΩ Min
Pin Size	8.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Part No.	Connection Type	Rated Current	Color
A083-2M08-D008F-0A-01	Copper Bar Inner Thread	200A	Black
A083-2M08-D008F-5A-01			Red
A083-2M08-D008F-6A-01			Orange
A083-2M08-E008F-0A-01	Copper Bar Through Hole		Black
A083-2M08-E008F-5A-01			Red
A083-2M08-E008F-6A-01			Orange

200A Receptacle



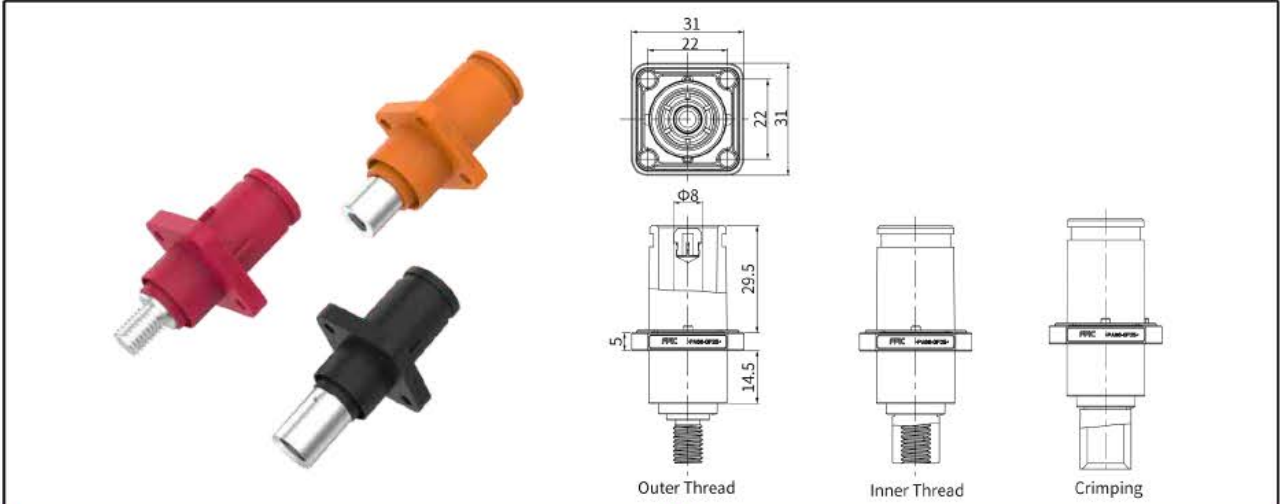
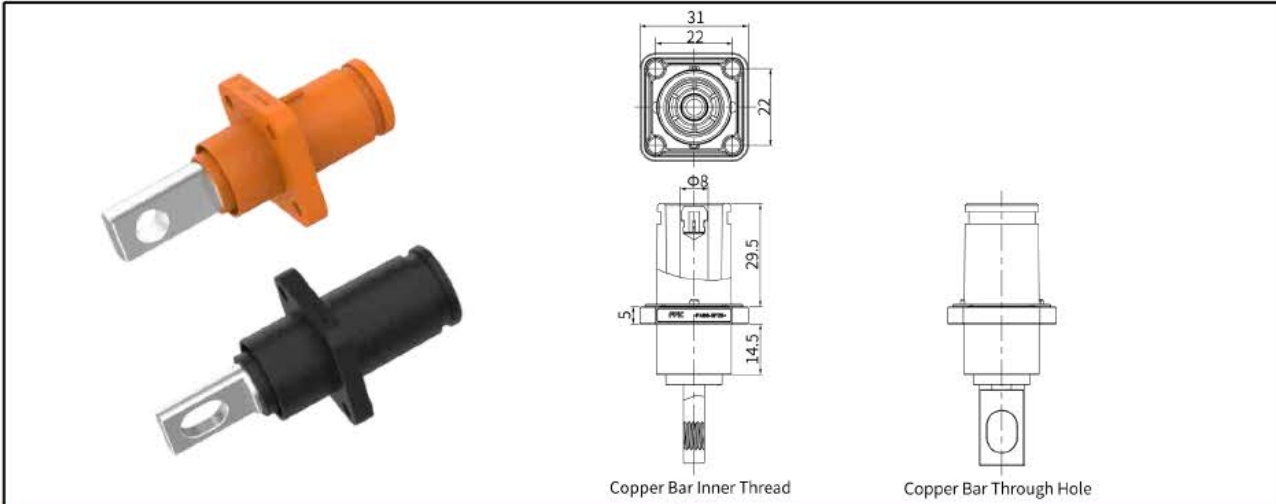
Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	200A
Connection Type	Thread/Crimping	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Front Installation	Insulation Resistance	1000MΩ Min
Pin Size	8.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Part No.	Connection Type	Rated Current	Color
A083-2M08-A008F-0A-01	Inner Thread	200A	Black
A083-2M08-A008F-5A-01			Red
A083-2M08-A008F-6A-01			Orange
A083-2M08-B008F-0A-01	Outer Thread		Black
A083-2M08-B008F-5A-01			Red
A083-2M08-B008F-6A-01			Orange
A083-2M08-C050F-0A-01	Crimping		Black
A083-2M08-C050F-5A-01			Red
A083-2M08-C050F-6A-01			Orange

1500V

200A Receptacle

200A Receptacle



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	200A
Connection Type	Thread/Through Hole	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Back Installation	Insulation Resistance	1000MΩ Min
Pin Size	8.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	200A
Connection Type	Thread/Crimping	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Back Installation	Insulation Resistance	1000MΩ Min
Pin Size	8.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

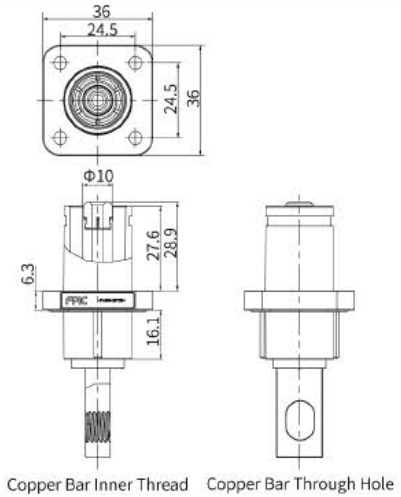
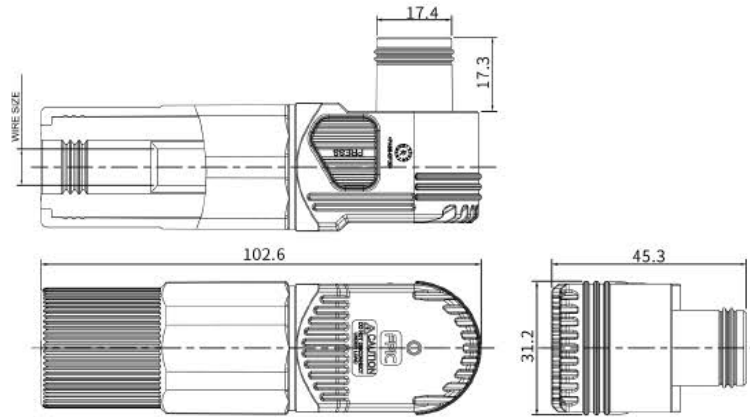
Part No.	Connection Type	Rated Current	Color
A083-2M08-D008B-0A-01	Copper Bar Inner Thread	200A	Black
A083-2M08-D008B-5A-01			Red
A083-2M08-D008B-6A-01			Orange
A083-2M08-E008B-0A-01	Copper Bar Through Hole		Black
A083-2M08-E008B-5A-01			Red
A083-2M08-E008B-6A-01			Orange

Part No.	Connection Type	Rated Current	Color	
A083-2M08-A008B-0A-01	Inner Thread	200A	Black	
A083-2M08-A008B-5A-01			Red	
A083-2M08-A008B-6A-01			Orange	
A083-2M08-B008B-0A-01	Outer Thread		Black	
A083-2M08-B008B-5A-01			Red	
A083-2M08-B008B-6A-01			Orange	
A083-2M08-C050B-0A-01	Crimping			Black
A083-2M08-C050B-5A-01				Red
A083-2M08-C050B-6A-01				Orange

1500V

150A~250A Plug

250A Receptacle



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	150A~250A
Unlocking Method	Hand Unlocking	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Wire Size	35mm ² ~70mm ²	Insulation Resistance	1000MΩ Min
Pin Size	10.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	P Level	IP67

Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	250A
Connection Type	Thread/Through Hole	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Front Installation	Insulation Resistance	1000MΩ Min
Pin Size	10.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

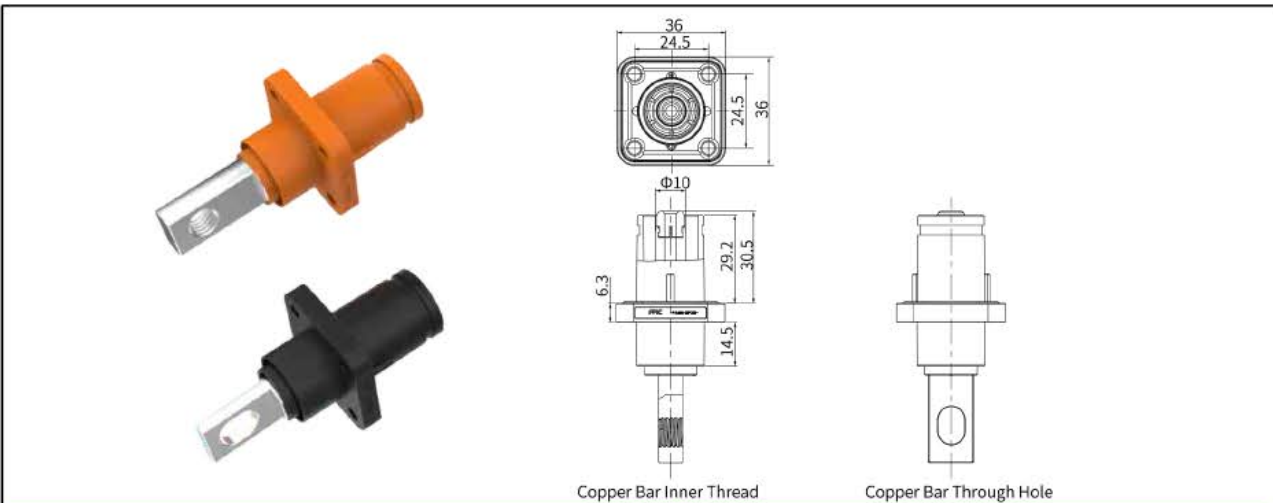
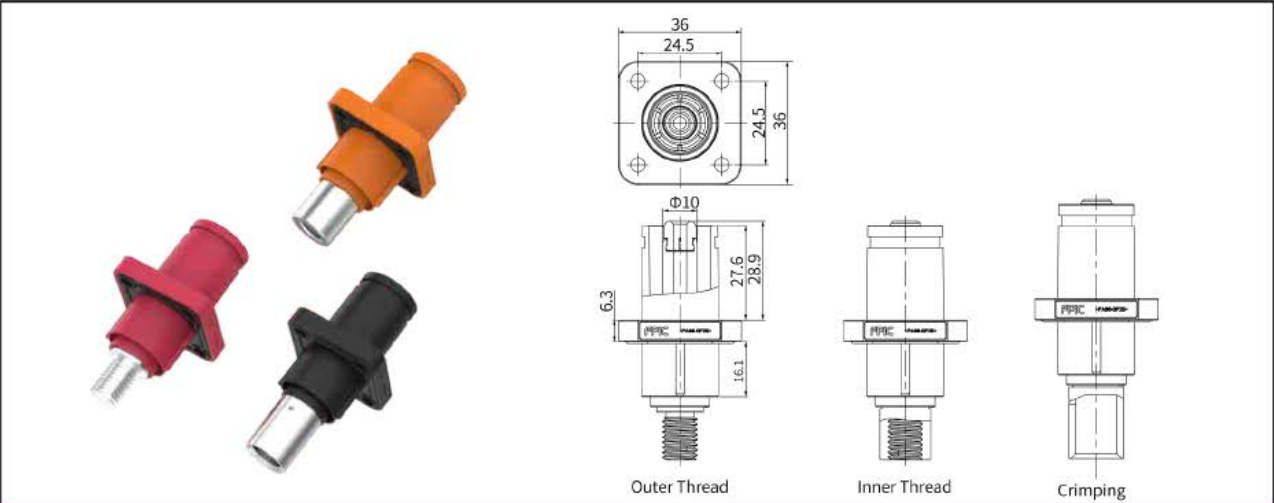
Part No.	Wire Size	Rated Current	Color
A083-1F10-C035N-0A-01	35mm ²	150A	Black
A083-1F10-C035N-5A-01			Red
A083-1F10-C035N-6A-01			Orange
A083-1F10-C050N-0A-01	50mm ²	200A	Black
A083-1F10-C050N-5A-01			Red
A083-1F10-C050N-6A-01			Orange
A083-1F10-C070N-0A-01	70mm ²	250A	Black
A083-1F10-C070N-5A-01			Red
A083-1F10-C070N-6A-01			Orange

Part No.	Connection Type	Rated Current	Color
A083-2M10-D010F-0A-01	Copper Bar Inner Thread	250A	Black
A083-2M10-D010F-5A-01			Red
A083-2M10-D010F-6A-01			Orange
A083-2M10-E010F-0A-01	Copper Bar Through Hole		Black
A083-2M10-E010F-5A-01			Red
A083-2M10-E010F-6A-01			Orange

1500V

250A Receptacle

250A Receptacle

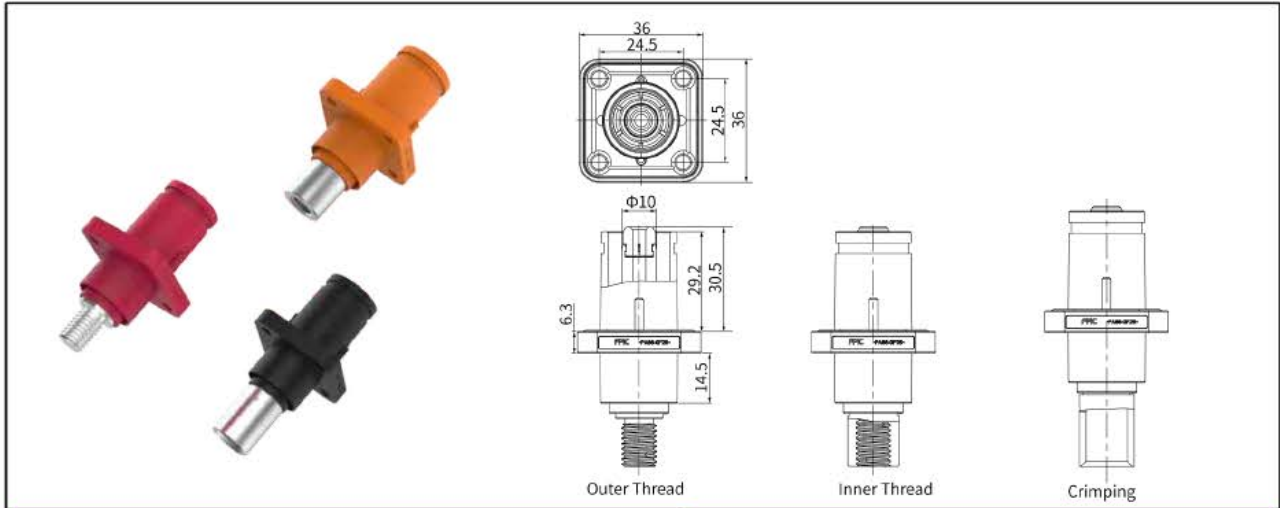


Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	250A
Connection Type	Thread/Crimping	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Front Installation	Insulation Resistance	1000MΩ Min
Pin Size	10.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	250A
Connection Type	Thread/Through Hole	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Back Installation	Insulation Resistance	1000MΩ Min
Pin Size	10.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

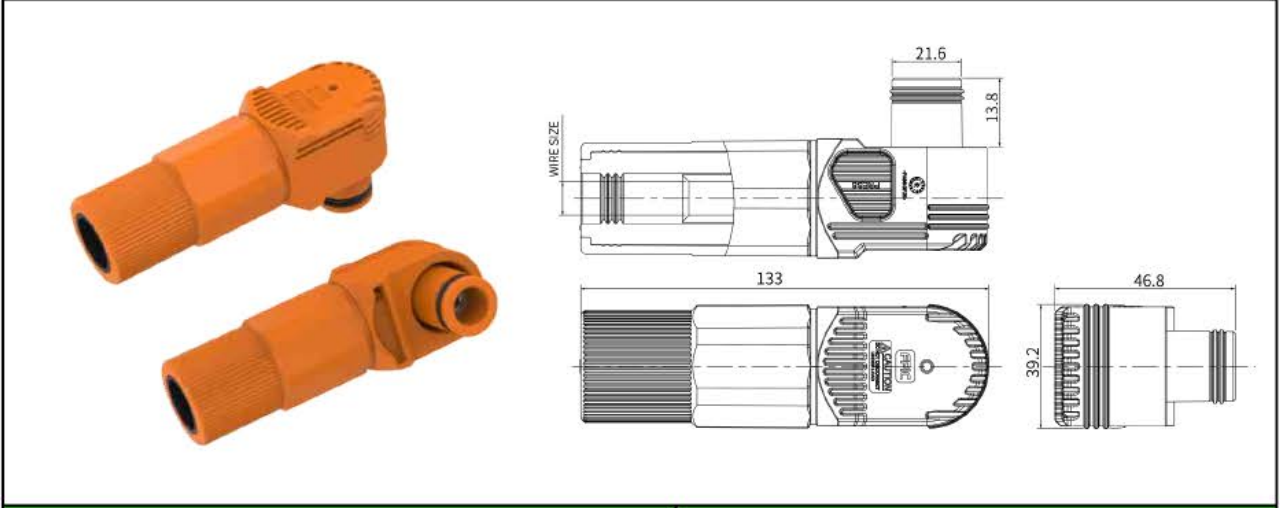
Part No.	Connection Type	Rated Current	Color
A083-2M10-A010F-0A-01	Inner Thread	250A	Black
A083-2M10-A010F-5A-01			Red
A083-2M10-A010F-6A-01			Orange
A083-2M10-B010F-0A-01	Outer Thread		Black
A083-2M10-B010F-5A-01			Red
A083-2M10-B010F-6A-01			Orange
A083-2M10-C070F-0A-01	Crimping		Black
A083-2M10-C070F-5A-01			Red
A083-2M10-C070F-6A-01			Orange

Part No.	Connection Type	Rated Current	Color
A083-2M10-D010B-0A-01	Copper Bar Inner Thread	250A	Black
A083-2M10-D010B-5A-01			Red
A083-2M10-D010B-6A-01			Orange
A083-2M10-E010B-0A-01	Copper Bar Through Hole		Black
A083-2M10-E010B-5A-01			Red
A083-2M10-E010B-6A-01			Orange



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	250A
Connection Type	Thread/Crimping	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Back Installation	Insulation Resistance	1000MΩ Min
Pin Size	10.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Part No.	Connection Type	Rated Current	Color
A083-2M10-A010B-0A-01	Inner Thread	250A	Black
A083-2M10-A010B-5A-01			Red
A083-2M10-A010B-6A-01			Orange
A083-2M10-B010B-0A-01	Outer Thread		Black
A083-2M10-B010B-5A-01			Red
A083-2M10-B010B-6A-01			Orange
A083-2M10-C070B-0A-01	Crimping		Black
A083-2M10-C070B-5A-01			Red
A083-2M10-C070B-6A-01			Orange

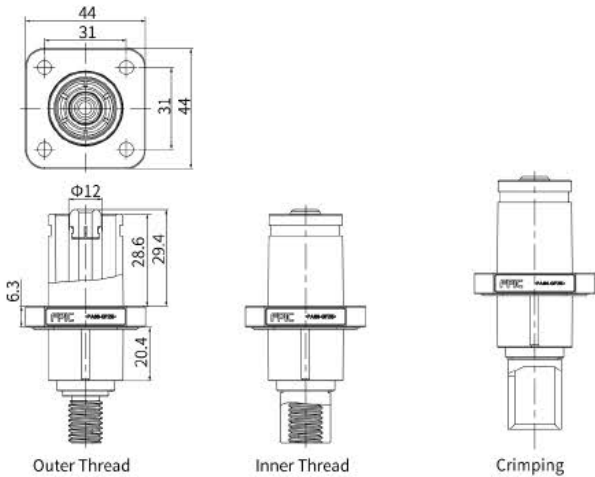
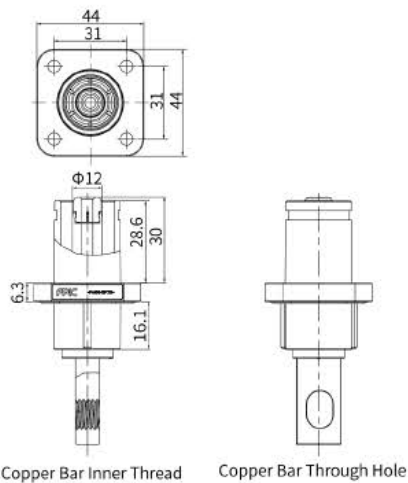


Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	300A
Unlocking Method	Hand Unlocking	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Wire Size	95mm ²	Insulation Resistance	1000MΩ Min
Pin Size	12.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Part No.	Wire Size	Rated Current	Color
A083-1F12-C120N-0A-01	120mm ²	350A	Black
A083-1F12-C120N-5A-01			Red
A083-1F12-C120N-6A-01			Orange

1500V / 350A Receptacle

350A Receptacle



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	300A
Connection Type	Thread/Through Hole	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Front Installation	Insulation Resistance	1000MΩ Min
Pin Size	12.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	300A
Connection Type	Thread/Crimping	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Front Installation	Insulation Resistance	1000MΩ Min
Pin Size	12.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Part No.	Connection Type	Rated Current	Color
A083-2M12-D012F-0A-01	Copper Bar Inner Thread	350A	Black
A083-2M12-D012F-5A-01			Red
A083-2M12-D012F-6A-01			Orange
A083-2M12-E012F-0A-01	Copper Bar Through Hole		Black
A083-2M12-E012F-5A-01			Red
A083-2M12-E012F-6A-01			Orange

Part No.	Connection Type	Rated Current	Color
A083-2M12-A012F-0A-01	Inner Thread	350A	Black
A083-2M12-A012F-5A-01			Red
A083-2M12-A012F-6A-01			Orange
A083-2M12-B012F-0A-01	Outer Thread		Black
A083-2M12-B012F-5A-01			Red
A083-2M12-B012F-6A-01			Orange
A083-2M12-C120F-0A-01	Crimping		Black
A083-2M12-C120F-5A-01			Red
A083-2M12-C120F-6A-01			Orange

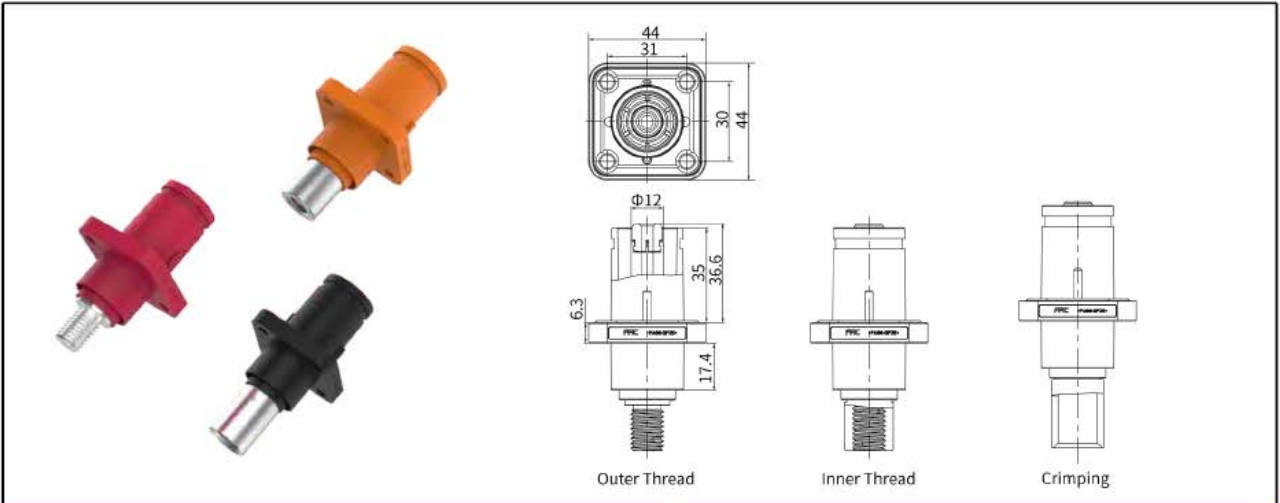
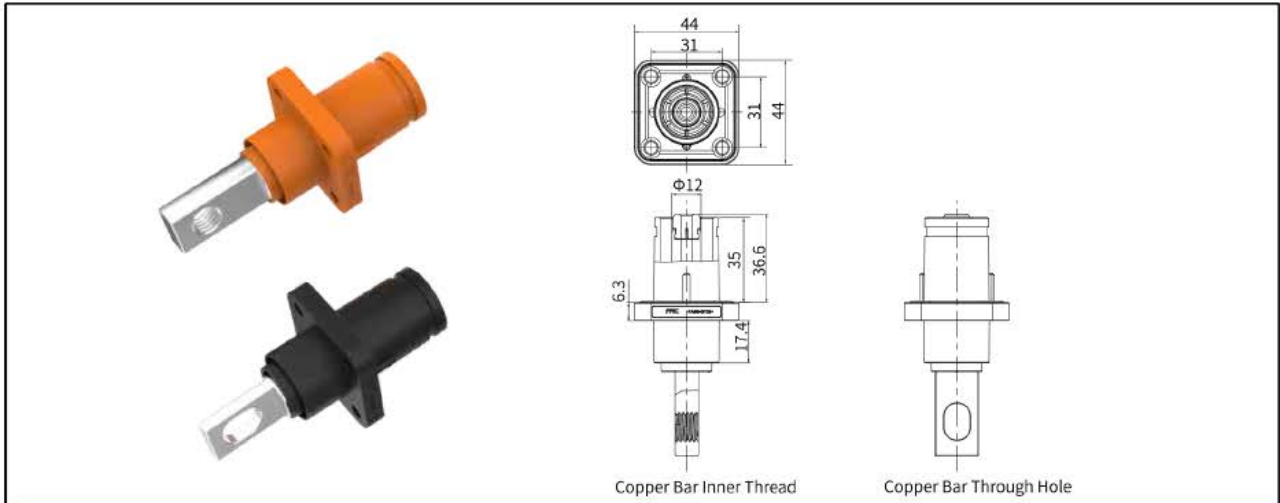
1500V

350A Receptacle

350A Receptacle

Energy Storage Connectors

Energy Storage Connectors



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	300A
Connection Type	Thread/Through Hole	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Back Installation	Insulation Resistance	1000MΩ Min
Pin Size	12.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	300A
Connection Type	Thread/Crimping	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Back Installation	Insulation Resistance	1000MΩ Min
Pin Size	12.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Part No.	Connection Type	Rated Current	Color
A083-2M12-D012B-0A-01	Copper Bar Inner Thread	350A	Black
A083-2M12-D012B-5A-01			Red
A083-2M12-D012B-6A-01			Orange
A083-2M12-E012B-0A-01	Copper Bar Through Hole		Black
A083-2M12-E012B-5A-01			Red
A083-2M12-E012B-6A-01			Orange

Part No.	Connection Type	Rated Current	Color
A083-2M12-A012B-0A-01	Inner Thread	350A	Black
A083-2M12-A012B-5A-01			Red
A083-2M12-A012B-6A-01			Orange
A083-2M12-B012B-0A-01	Outer Thread		Black
A083-2M12-B012B-5A-01			Red
A083-2M12-B012B-6A-01			Orange
A083-2M12-C120B-0A-01	Crimping		Black
A083-2M12-C120B-5A-01			Red
A083-2M12-C120B-6A-01			Orange

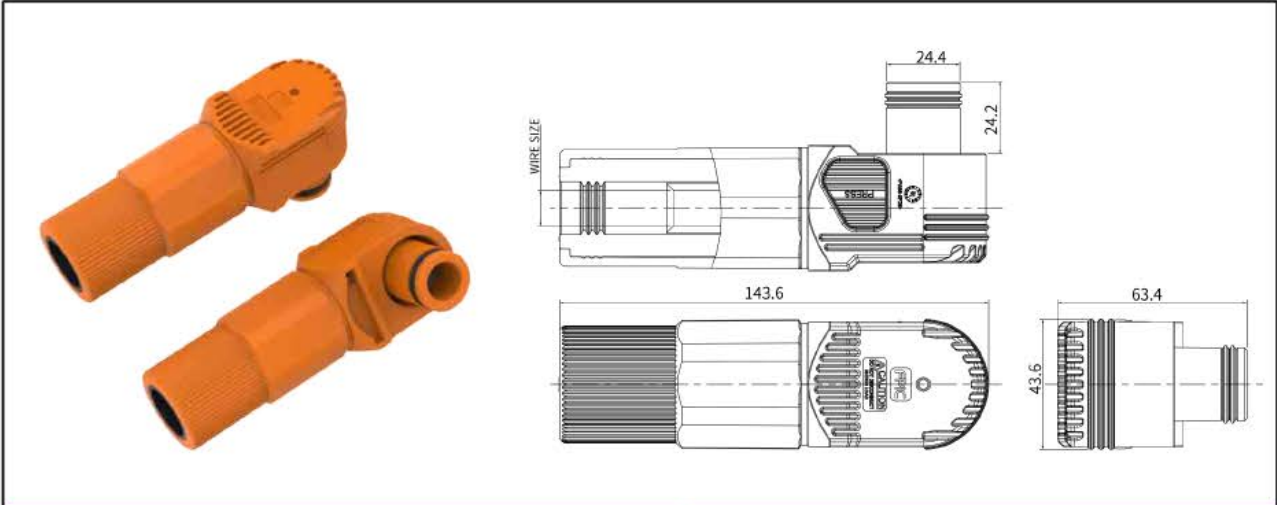
1500V

350A~500A Plug

500A Receptacle

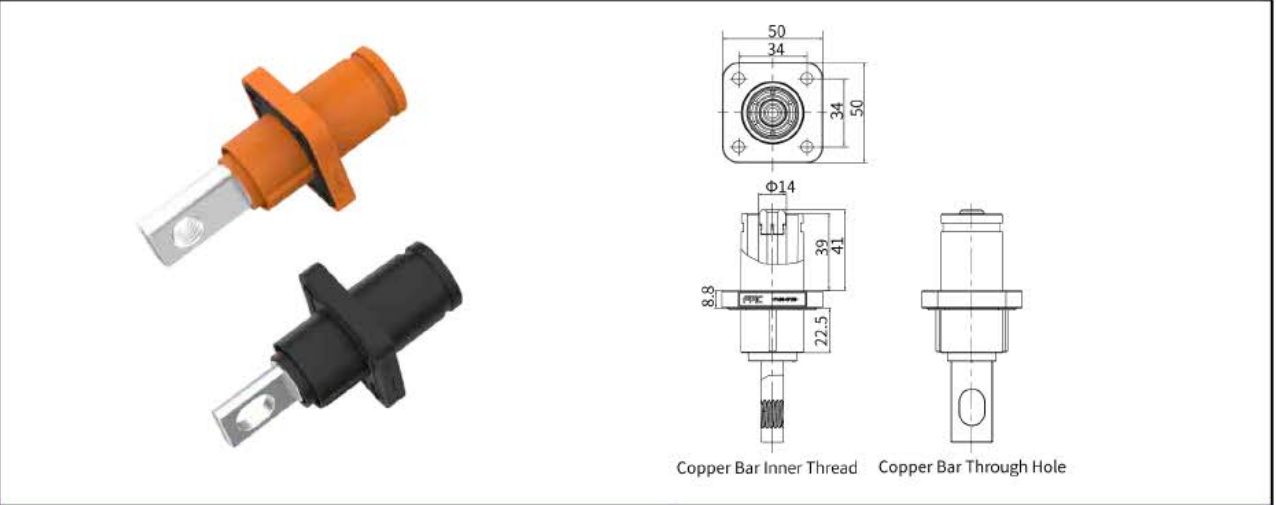
Energy Storage Connectors

Energy Storage Connectors



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	400A~500A
Unlocking Method	Hand Unlocking	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Wire Size	120mm ² ~150mm ²	Insulation Resistance	1000MΩ Min
Pin Size	14.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Part No.	Wire Size	Rated Current	Color
A083-1F14-C120N-0A-01	120mm ²	350A	Black
A083-1F14-C120N-5A-01			Red
A083-1F14-C120N-6A-01			Orange
A083-1F14-C150N-0A-01	150mm ²	500A	Black
A083-1F14-C150N-5A-01			Red
A083-1F14-C150N-6A-01			Orange

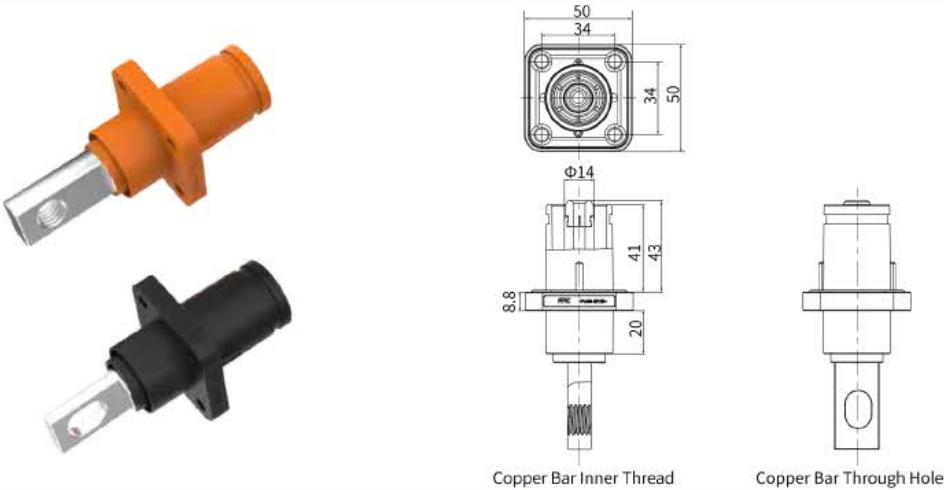
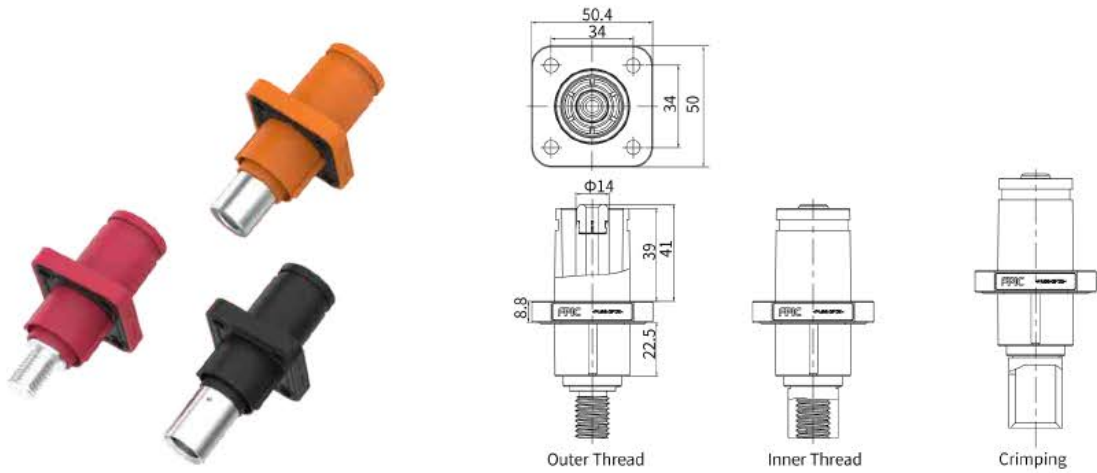


Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	500A
Connection Type	Thread/Through Hole	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Front Installation	Insulation Resistance	1000MΩ Min
Pin Size	14.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Part No.	Connection Type	Rated Current	Color
A083-2M14-D014F-0A-01	Copper Bar Inner Thread	500A	Black
A083-2M14-D014F-5A-01			Red
A083-2M14-D014F-6A-01			Orange
A083-2M14-E014F-0A-01	Copper Bar Through Hole		Black
A083-2M14-E014F-5A-01			Red
A083-2M14-E014F-6A-01			Orange

1500V / 500A Receptacle

500A Receptacle



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	500A
Connection Type	Thread/Crimping	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Front Installation	Insulation Resistance	1000MΩ Min
Pin Size	14.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	500A
Connection Type	Thread/Through Hole	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Back Installation	Insulation Resistance	1000MΩ Min
Pin Size	14.0mm	Life Time	≥100 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Part No.	Connection Type	Rated Current	Color
A083-2M14-A014F-0A-01	Inner Thread	500A	Black
A083-2M14-A014F-5A-01			Red
A083-2M14-A014F-6A-01			Orange
A083-2M14-B014F-0A-01	Outer Thread		Black
A083-2M14-B014F-5A-01			Red
A083-2M14-B014F-6A-01			Orange
A083-2M14-C150F-0A-01	Crimping		Black
A083-2M14-C150F-5A-01			Red
A083-2M14-C150F-6A-01			Orange

Part No.	Connection Type	Rated Current	Color
A083-2M14-D014B-0A-01	Copper Bar Inner Thread	500A	Black
A083-2M14-D014B-5A-01			Red
A083-2M14-D014B-6A-01			Orange
A083-2M14-E014B-0A-01	Copper Bar Through Hole		Black
A083-2M14-E014B-5A-01			Red
A083-2M14-E014B-6A-01			Orange

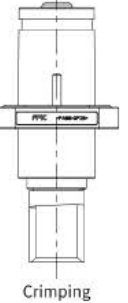
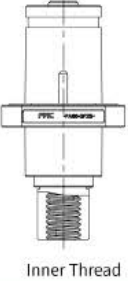
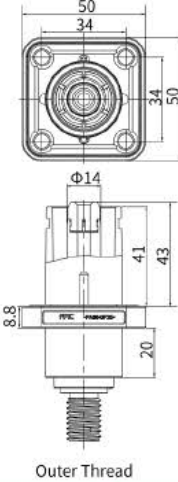
1500V

500A Receptacle

800V

Electric Vehicle High Voltage Connectors

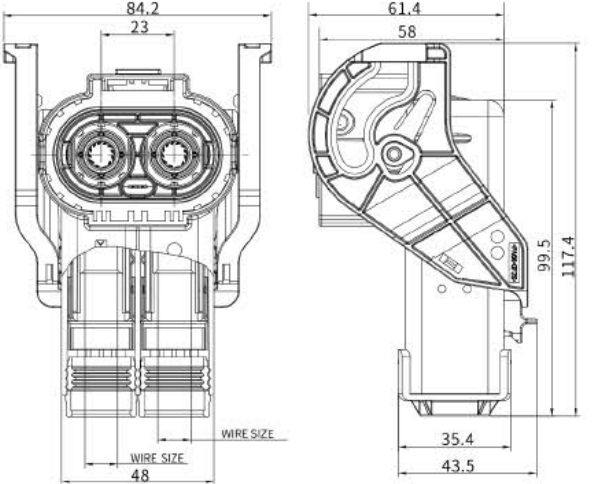
Energy Storage Connectors



Outer Thread Inner Thread Crimping

Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	500A
Connection Type	Thread/Crimping	Rated Voltage	1500V DC
Palm Rejection	IP2XB	Voltage Resistance	4000V AC
Installation Location	Back Installation	Insulation Resistance	1000MΩ Min
Pin Size	14.0mm	Life Time	≥100 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

Part No.	Connection Type	Rated Current	Color
A083-2M14-A014B-0A-01	Inner Thread	500A	Black
A083-2M14-A014B-5A-01			Red
A083-2M14-A014B-6A-01			Orange
A083-2M14-B014B-0A-01	Outer Thread		Black
A083-2M14-B014B-5A-01			Red
A083-2M14-B014B-6A-01			Orange
A083-2M14-C150B-0A-01	Crimping		Black
A083-2M14-C150B-5A-01			Red
A083-2M14-C150B-6A-01			Orange



WIRE SIZE 48 WIRE SIZE 48

Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	120A~200A
Unlocking Method	2 Times Unlocking	Rated Voltage	800V DC
Palm Rejection	IP2XB	Voltage Resistance	3500V AC
Wire Size	25 mm ² ~50 mm ²	Insulation Resistance	500MΩ Min
Pin Size	8.0mm	Life Time	≥50 Cycles
Operation Temperature	-40℃~125℃	IP Level	IP67

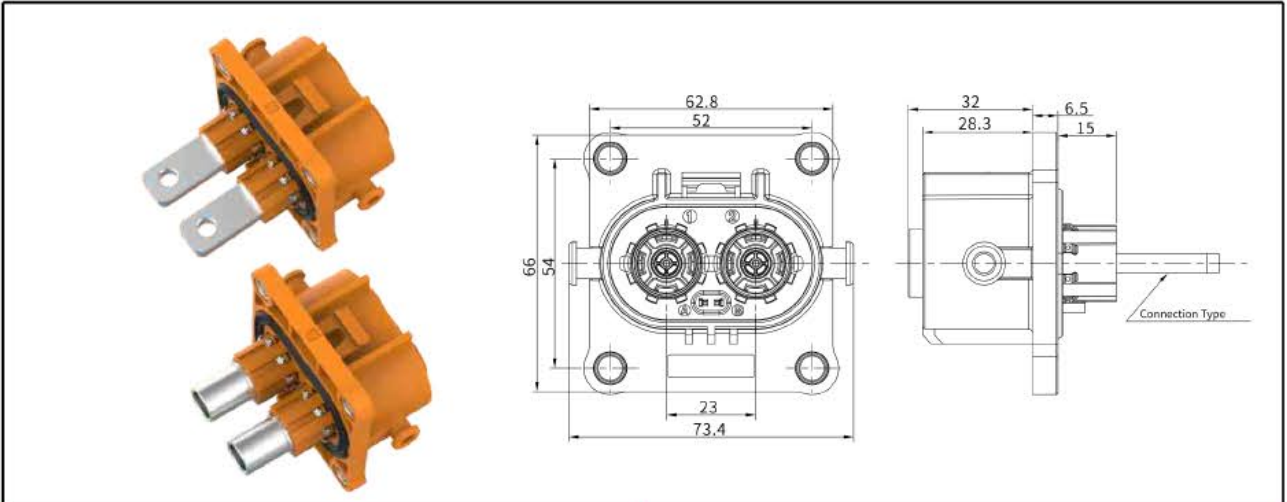
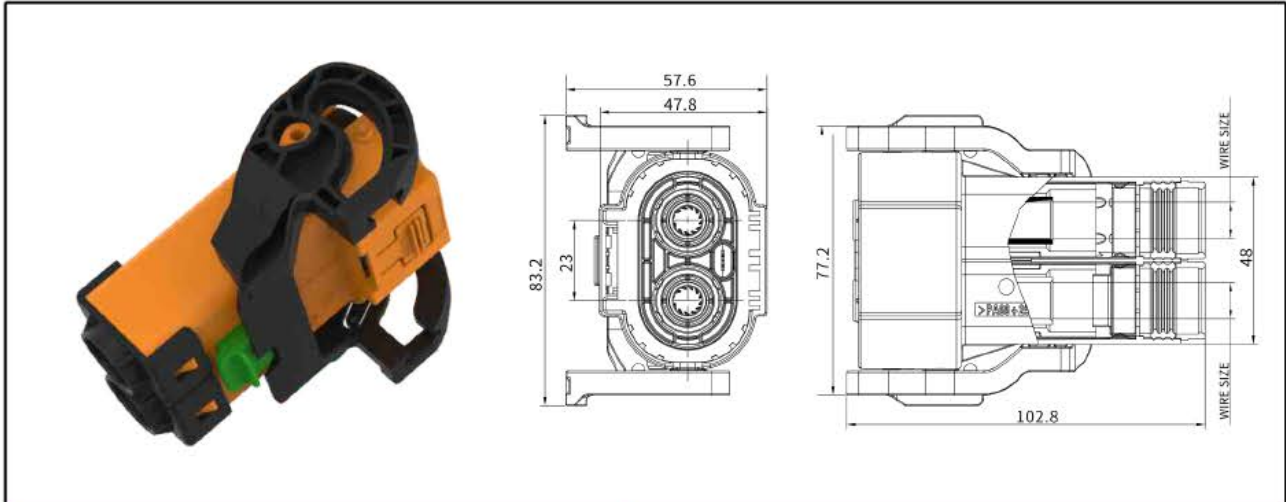
Part No.	Wire Size	Rated Current
A084-1F08-CO25N-6A-01	25mm ²	120A
A084-1F08-CO35N-6A-01	35mm ²	150A
A084-1F08-CO50N-6A-01	50mm ²	200A

EV Connectors

800V

Electric Vehicle High Voltage Straight Connectors

Electric Vehicle High Voltage Receptacle



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	120A~200A
Unlocking Method	2 Times Unlocking	Rated Voltage	800V DC
Palm Rejection	IP2XB	Voltage Resistance	3500V AC
Wire Size	25 mm ² ~50 mm ²	Insulation Resistance	500MΩ Min
Pin Size	8.0mm	Life Time	≥50 Cycles
Operation Temperature	-40C~125°C	IP Level	IP67

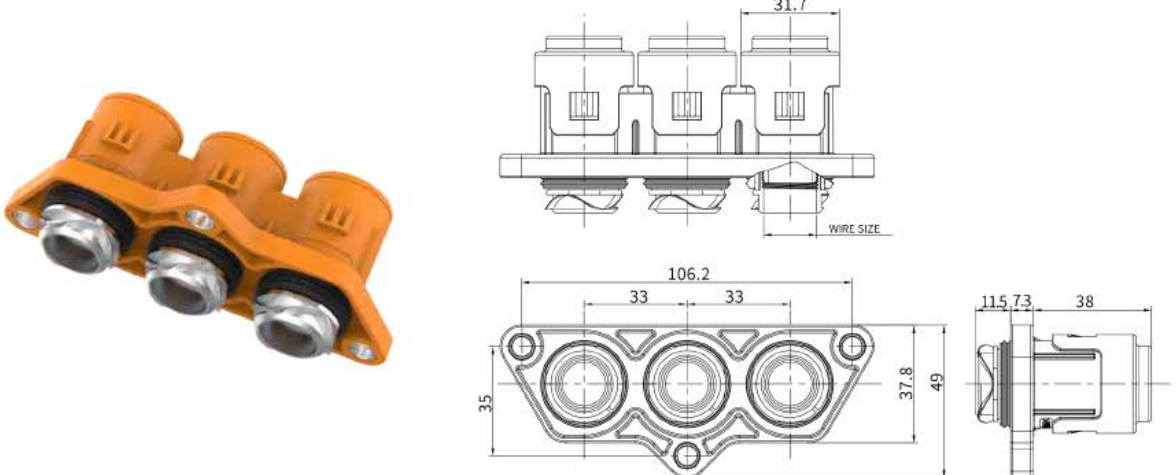
Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	200A
Connection Type	Thread/Crimping	Rated Voltage	800V DC
Palm Rejection	IP2XB	Voltage Resistance	3500V AC
Installation Location	Front Installation	Insulation Resistance	500MΩ Min
Pin Size	8.0mm	Life Time	≥50 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Part No.	Wire Size	Rated Current
A084-0F08-CO25N-6A-01	25mm ²	120A
A084-0F08-CO35N-6A-01	35mm ²	150A
A084-0F08-CO50N-6A-01	50mm ²	200A

Part No.	Connection Type	Rated Current
A084-2M08-D006F-6A-01	Copper Bar Inner Thread	200A
A084-2M08-C050F-6A-01	Crimping	

800V

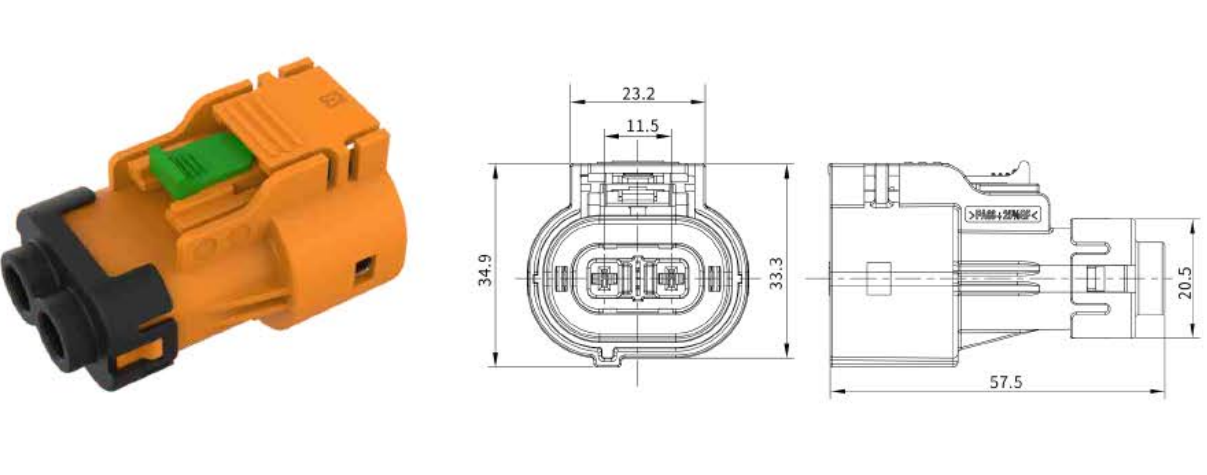
Electric Vehicle Motor Control Connector



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	150A~200A
Connection Type	Through Hole	Rated Voltage	800V DC
Shielding	360°	Voltage Resistance	3500V AC
Wire Size	35mm²/50mm²	Insulation Resistance	500MΩ Min
Installation Location	Front Installation	Life Time	≥50 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Part No.	Wire Size	Rated Current
A085-2000-C035N-6A-01	35mm²	150A
A085-2000-C050N-6A-01	50mm²	200A

Electric Vehicle High Voltage Straight Connectors

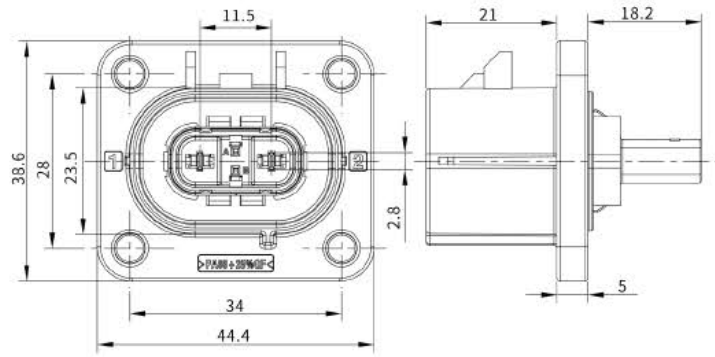
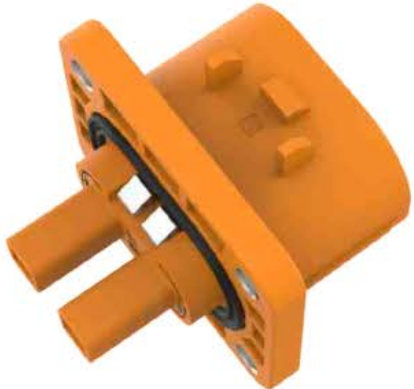


Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	40A
Unlocking Method	2 Times Unlocking	Rated Voltage	800V DC
Shielding	360°	Voltage Resistance	3000V AC
Wire Size	6mm²	Insulation Resistance	500MΩ Min
Pin Size	2.8mm	Life Time	≥50 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Part No.	Wire Size	Rated Current
A084-0F02-C006N-0A-01	6mm²	40A

800V

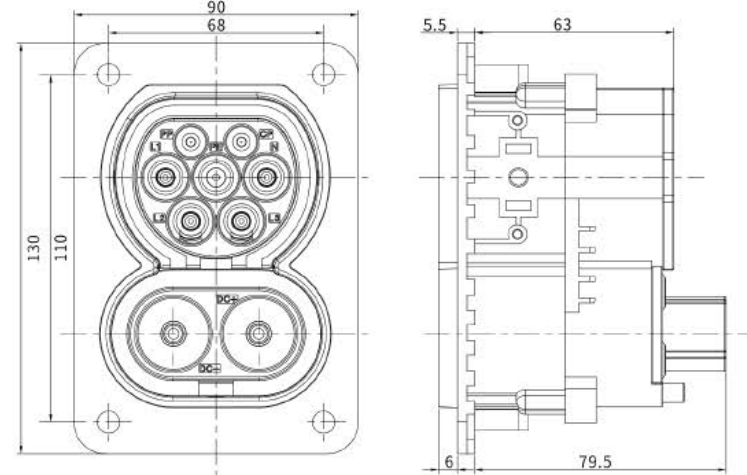
Electric Vehicle High Voltage Receptacle



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	40A
Wire Size	6mm ²	Rated Voltage	800V DC
Shielding	360°	Voltage Resistance	3500V AC
Installation Location	Front Installation	Insulation Resistance	500MΩ Min
Pin Size	2.8mm	Life Time	≥50 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Part No.	Connection Type	Rated Current
A084-2M02-C006F-6A-01	Crimping	40A

Electric Vehicle Charge Port



Product Information		Product Parameter	
Housing Material	PA66+GF25	Rated Current	AC 32A/DC 200A
Charge Type	AC Or DC	Rated Voltage	AC 250V/ DC 1000V
Reference Standard	IEC 62196-3	Voltage Resistance	3500V AC
Wire Size	AC 6mm ² /DC 50mm ²	Insulation Resistance	500MΩ Min
Pin Size	AC 6.0mm/DC 8.0mm	Life Time	≥10000 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

Part No.	Wire Size	Rated Current
A086-2M08-C050N-0A-01	AC 6mm ² /DC 50mm ²	AC 32A/DC 200A

Electric Vehicle High Voltage Straight Connectors

Product Information		Product Parameter	
Hosing Material	PA66+GF25	Rated Current	100A
Number of Contact	4 & 2	Operating Voltage	600V AC or 800V DC
Shield	360°	Voltage Resistance	3000V AC
Wire Size	25mm ²	Insulation Resistance	500MΩ Min
Pin Size	5.6mm	Life Time	100 Cycles
Operation Temperature	-40°C~125°C	IP Level	IP67

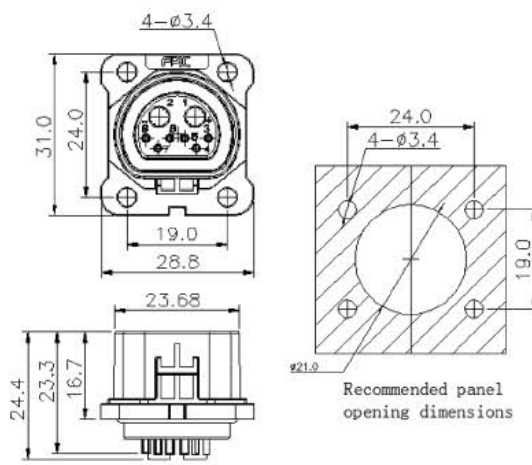
Part No.	Wire Size	Rated Current
A084-1F06-C025N-6A	25mm ²	100A

Electric Vehicle High Voltage Receptacle

Product Information		Product Parameter	
Hosing Material	PA66+GF25	Rated Current	100A
Wire Size	25mm ²	Operating Voltage	600V AC or 800V DC
Shield	360°	Voltage Resistance	3000V AC
Installation Location	Front Installation	Insulation Resistance	500MΩ Min
Pin Size	5.6mm	Life Time	100 Cycles
Operation Temperture	-40°C~125°C	IP Level	IP67

Part No.	Connection Type	Rated Current
A084-2M06-C025F-6A	Crimping	100A

E-bike Connector



Technical drawings showing dimensions for the E-bike Connector:

- Front view: 31.0, 24.0, 19.0, 28.8, 23.68, 24.4, 23.3, 16.7, 4- ϕ 3.4
- Side view: 24.0, 4- ϕ 3.4, 19.0, ϕ 21.0
- Panel opening dimensions: 24.0, 4- ϕ 3.4, 19.0, ϕ 21.0

Product Information		Product Parameter	
Hosing Material	PA66+GF25	Rated Current	35A
Configuration Features	Power×2+Signal×6	Rated Voltage	500V AC
Contacts	Copper Alloy	Insulation Resistance	≥1000MΩ
Terminal Plating	Gold Plating	Life Time	≥5000 Cycles
Operation Temperature	-40℃~85℃	IP Level	IP67

Part No.	Connection Type	Rated Current
A0AM-8000-323	Soldering	35A

E-bike Connector



Technical drawings showing dimensions for the E-bike Connector:

- Front view: 31.4, 30.4, 27.6, 18.0, 22.0, 34.7, 25.0, 20.1, 18.1, 17.4, ϕ 28.1, 4- ϕ 3.4
- Side view: 24.0, 4- ϕ 3.4, 19.0, ϕ 21.0
- Panel opening dimensions: 24.0, 4- ϕ 3.4, 19.0, ϕ 21.0

Product Information		Product Parameter	
Hosing Material	PA66+GF25	Rated Current	35A
Configuration Features	Power×2+Signal×6	Rated Voltage	500V AC
Contacts	Copper Alloy	Insulation Resistance	≥1000MΩ
Terminal Plating	Gold Plating	Life Time	≥5000 Cycles
Operation Temperature	-40℃~85℃	IP Level	IP67

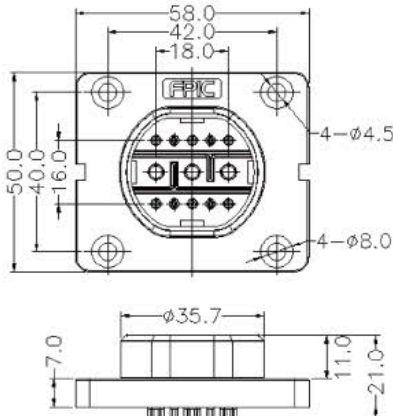
Part No.	Connection Type	Rated Current
A0AM-8001-323	Soldering	35A

E-bike Connector

E-bike Connectors

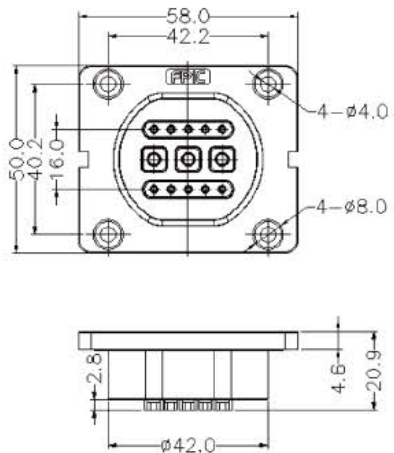
E-motorcycle Connectors

E-motorcycle Connectors



Product Information		Product Parameter	
Hosing Material	PA66+GF25	Rated Current	40A
Configuration Features	Power×3+Signal×10	Rated Voltage	500V AC
Contacts	Copper Alloy	Insulation Resistance	≥1000MΩ Min
Terminal Plating	Gold Plating	Life Time	≥5000 Cycles
Operation Temperature	-40℃~85℃	IP Level	IP67

Part No.	Connection Type	Rated Current
A0AM-8003-303	Soldering	40A

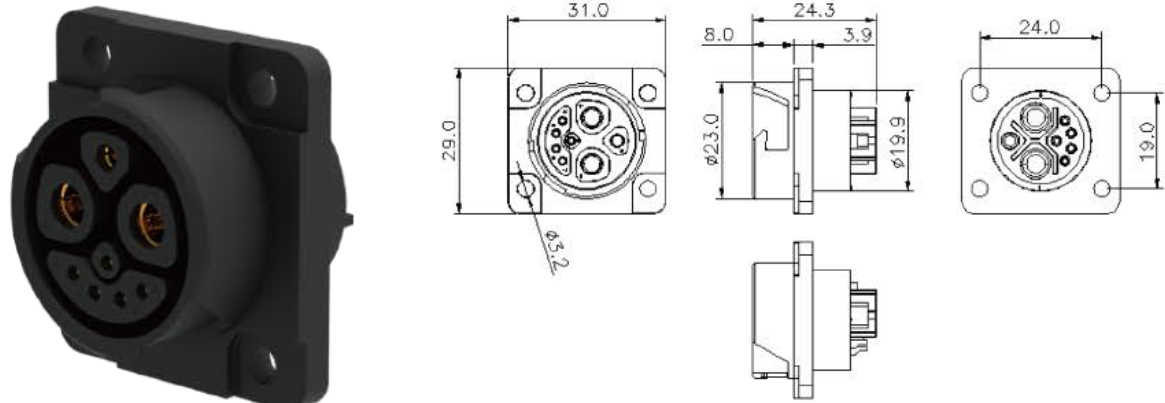


Product Information		Product Parameter	
Hosing Material	PA66+GF25	Rated Current	40A
Configuration Features	Power×3+Signal×10	Rated Voltage	500V AC
Contacts	Copper Alloy	Insulation Resistance	≥1000MΩ Min
Terminal Plating	Gold Plating	Life Time	≥5000 Cycles
Operation Temperature	-40℃~85℃	IP Level	IP67

Part No.	Connection Type	Rated Current
A0AM-8004-303	Soldering	40A

E-bike Connectors

E-bike Connector



Product Information		Product Parameter	
Hosing Material	PA66+GF25	Rated Current	40A
Configuration Features	Power×2+Signal×1+5	Rated Voltage	500V AC
Contacts	Copper	Insulation Resistance	≥1000MΩ
Terminal Plating	Gold Plating	Life Time	≥5000 Cycles
Operation Temperature	-40℃~85℃	IP Level	IP67

Part No.	Connection Type	Rated Current
AOAM-0821-303	Soldering	40A



Product Information		Product Parameter	
Hosing Material	PA66+GF25	Rated Current	40A
Configuration Features	Power×2+Signal×1+5	Rated Voltage	500V AC
Contacts	Copper	Insulation Resistance	≥1000MΩ
Terminal Plating	Gold Plating	Life Time	≥5000 Cycles
Operation Temperature	-40℃~85℃	IP Level	IP67

Part No.	Connection Type	Rated Current
AOAM-0822-303	Soldering	40A

E-bike Connectors

E-bike Connector

E-motorcycle Connectors

E-motorcycle Connectors

Product Information		Product Parameter	
Hosing Material	PA66+GF25	Rated Current	60A
Configuration Features	Power×2+Signal×6	Rated Voltage	80V
Contacts	Copper	Insulation Resistance	≥100MΩ
Terminal Plating	Power silver plating SignalGold plating	Life Time	≥100 Cycles
Operation Temperature	-40℃~85℃	IP Level	IP67

Part No.	Connection Type	Rated Current
AOAM-0819-303	Soldering	60A

Product Information		Product Parameter	
Hosing Material	PA66+GF25	Rated Current	60A
Configuration Features	Power×2+Signal×6	Rated Voltage	80V
Contacts	Copper	Insulation Resistance	≥100MΩ
Terminal Plating	Power silver plating Signal Gold plating	Life Time	≥100 Cycles
Operation Temperature	-40℃~85℃	IP Level	IP67

Part No.	Connection Type	Rated Current
AOAM-0820-303	Soldering	60A

1000V / PV Connetors

Both Stamped And Formed

Male

Female

Machined/Cold-Formed

Product Information		Product Parameter	
Hosing Material	PC/PPO	Rated Current	30A
Wire Size	2.5mm ² & 4mm ² & 6mm ²	Rated Voltage	1000V DC
Operation Temperature	-40°C ~ +90°C	IP Level	IP68

Part No.	Wire Size	Rated Current
A286-01-PMC4-1W00C-BX	2.5mm ² & 4mm ²	20A
A286-01-PMC4-1W00C-MX	6mm ²	30A

PV Connetors

Both Stamped And Formed

Male

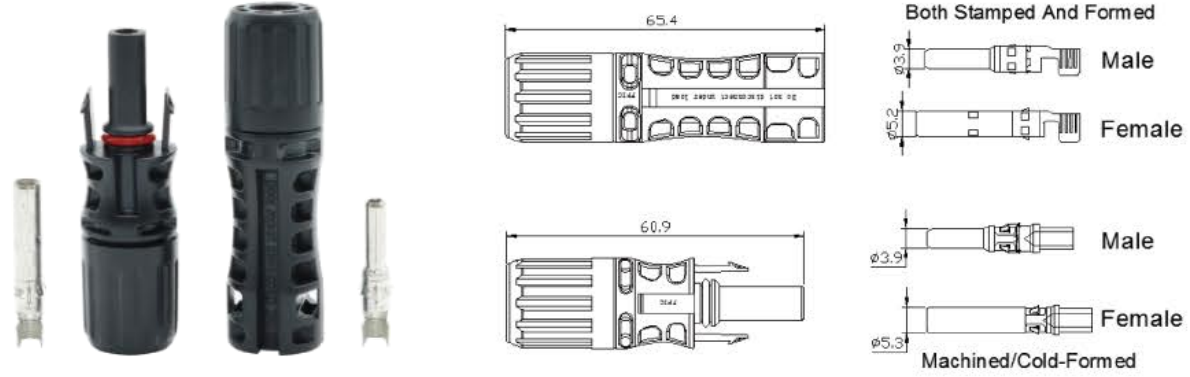
Female

Machined/Cold-Formed

Product Information		Product Parameter	
Hosing Material	PC/PPO	Rated Current	30A
Wire Size	2.5mm ² & 4mm ² & 6mm ²	Rated Voltage	1000V DC
Operation Temperature	-40°C ~ +90°C	IP Level	IP68

Part No.	Wire Size	Rated Current
A286-01-PMC4-1B00C-BX	2.5mm ² & 4mm ²	20A
A286-01-PMC4-1B00C-MX	6mm ²	30A

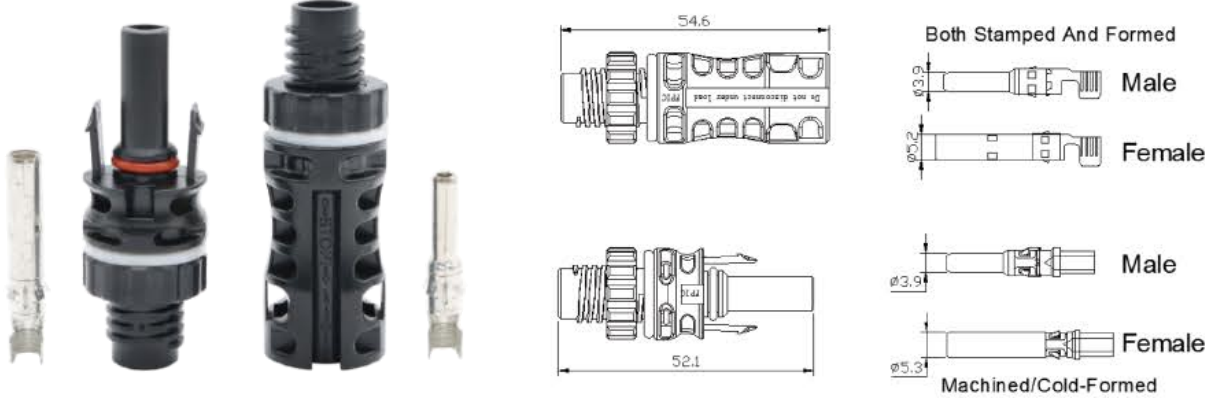
1500V / PV Connetors



Product Information		Product Parameter	
Hosing Material	PC/PPO	Rated Current	30A
Wire Size	2.5mm² & 4mm² & 6mm²	Rated Voltage	1500V DC
Operation Temperature	-40°C ~ +90°C	IP Level	IP68

Part No.	Wire Size	Rated Current
A286-01-PMC4-5W00C-BX	2.5mm² & 4mm²	20A
A286-01-PMC4-5W00C-MX	6mm²	30A

PV Connetors



Product Information		Product Parameter	
Hosing Material	PC/PPO	Rated Current	30A
Wire Size	2.5mm² & 4mm² & 6mm²	Rated Voltage	1500V DC
Operation Temperature	-40°C ~ +90°C	IP Level	IP68

Part No.	Wire Size	Rated Current
A286-01-PMC4-5B00C-BX	2.5mm² & 4mm²	20A
A286-01-PMC4-5B00C-MX	6mm²	30A

1000V

Energy Storage Cable Assembly

	Connector	Energy Storage 1000V 6.0 Right Angle Plug	
	Connector Polarity & Color	Positive Pole	Red and Orange
		Negative Pole	Black
	Unlocking Method	Hand Unlocking	
	Rated Current	60A & 100A & 120A	
	Wire Size	EV 10mm ² BARE COPPER	
		EV 16mm ² BARE COPPER	
		EV 25mm ² BARE COPPER	
	Wire Rated Voltage	1000V /1500V	
	Operation Temperature	-40°C~125°C	
	IP Level	IP67	

	Connector	Energy Storage 1000V 6.0 Straight Plug	
	Connector Polarity & Color	Positive Pole	Red and Orange
		Negative Pole	Black
	Unlocking Method	Tool Or Hand Unlocking	
	Rated Current	60A & 100A & 120A	
	Wire Size	EV 10mm ² BARE COPPER	
		EV 16mm ² BARE COPPER	
		EV 25mm ² BARE COPPER	
	Wire Rated Voltage	1000V /1500V	
	Operation Temperature	-40°C~125°C	
	IP Level	IP67	

Energy Storage Cable Assembly

	Connector	Energy Storage 1000V 8.0 Right Angle Plug	
	Connector Polarity & Color	Positive Pole	Red and Orange
		Negative Pole	Black
	Unlocking Method	Hand Unlocking	
	Rated Current	120A & 150A & 200A	
	Wire Size	EV 25mm ² BARE COPPER	
		EV 35mm ² BARE COPPER	
		EV 50mm ² BARE COPPER	
	Wire Rated Voltage	1000V /1500V	
	Operation Temperature	-40°C~125°C	
	IP Level	IP67	

	Connector	Energy Storage 1500V 8.0 Right Angle Plug	
	Connector Polarity & Color	Positive Pole	Red and Orange
		Negative Pole	Black
	Unlocking Method	Hand Unlocking	
	Rated Current	120A & 150A & 200A	
	Wire Size	EV 25mm ² BARE COPPER	
		EV 35mm ² BARE COPPER	
		EV 50mm ² BARE COPPER	
	Wire Rated Voltage	1500V	
	Operation Temperature	-40°C~125°C	
	IP Level	IP67	

1500V

Energy Storage Cable Assembly



Connector	Energy Storage 1500V 10.0 Right Angle Plug	
Connector Polarity & Color	Positive Pole	Red and Orange
	Negative Pole	Black
Unlocking Method	Hand Unlocking	
Rated Current	150A & 200A & 250A	
Wire Size	EV 35mm²	BARE COPPER
	EV 50mm²	BARE COPPER
	EV 70mm²	BARE COPPER
Wire Rated Voltage	1500V	
Operation Temperature	-40°C~125°C	
IP Level	IP67	



Connector	Energy Storage 1500V 12.0 Right Angle Plug	
Connector Polarity & Color	Positive Pole	Red and Orange
	Negative Pole	Black
Unlocking Method	Hand Unlocking	
Rated Current	300A & 350A	
Wire Size	EV 95mm²	BARE COPPER
	EV 120mm²	BARE COPPER
Wire Rated Voltage	1500V	
Operation Temperature	-40°C~125°C	
IP Level	IP67	

ES Wire Harness Coding Specification

AP10-0610BRN-0610ORN-O-0540



Busbar

Features:

- Strong overload capacity
- Compact, simple, and aesthetically pleasing design
- Available processes: molecular diffusion welding, film lamination, spraying, dipping



Other Products

Automotive Components Series



20POS OBD Socket



Power Header



23POS Header Water Proof



64POS Entertainment System Socket



Sensor Connector

Electrical Connectors Series



USB Type C Side Entry



USB Type C Water Proof



USB Type A Socket



RJ45



SD Card

Header Series



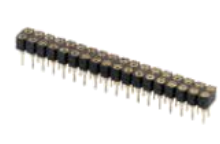
Pin Header



Female Header



Wafer



Machined Header



Box Header

Wire Harness Series



24p Heavy Duty Wire



New Energy Wire Harness



ECG Lead Wire Harness



Vibration Mirror Wire



DB 8W8 Female Wire

Metal Series



Die Casting



Extrusion Part



CNC Lathe Round Part



Forging Part



Metal Injection Molded Inner Gear



SinHeat k



Sheet Metal Part



ECG Lead Wire Harness



Clip



Crimped Terminal

“STRIVING FOR PERFECTION
IN EVERY THINGS
YOU DO”

By: Sir Henry Royce