

乔合里机密文档, 请勿违规使用

# CHOGORI



**E-SCOOTER**  
CONNECTION SOLUTIONS

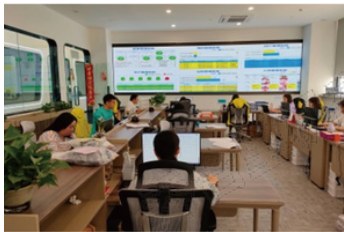


Chogori Headquarters Shenzhen



Chogori Dongguan Factory

## CHOGORI CONNECTIVITY SOLUTIONS FOR E-SCOOTER



Orders Centre



Production Line



Machine



Storage



44,000 m<sup>2</sup>



1000+ Members



3 Facilities  
Dongguan & Shenzhen & Thailand



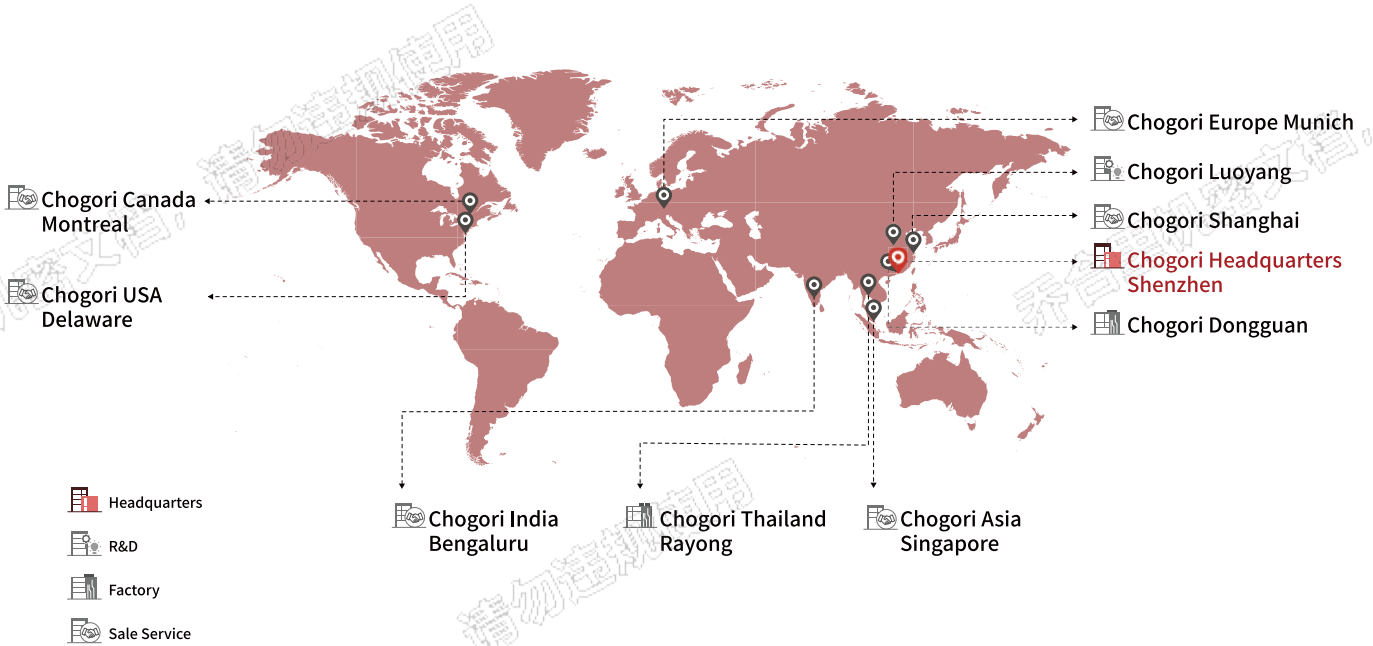
5M Sets  
Monthly Capacity

## About Us

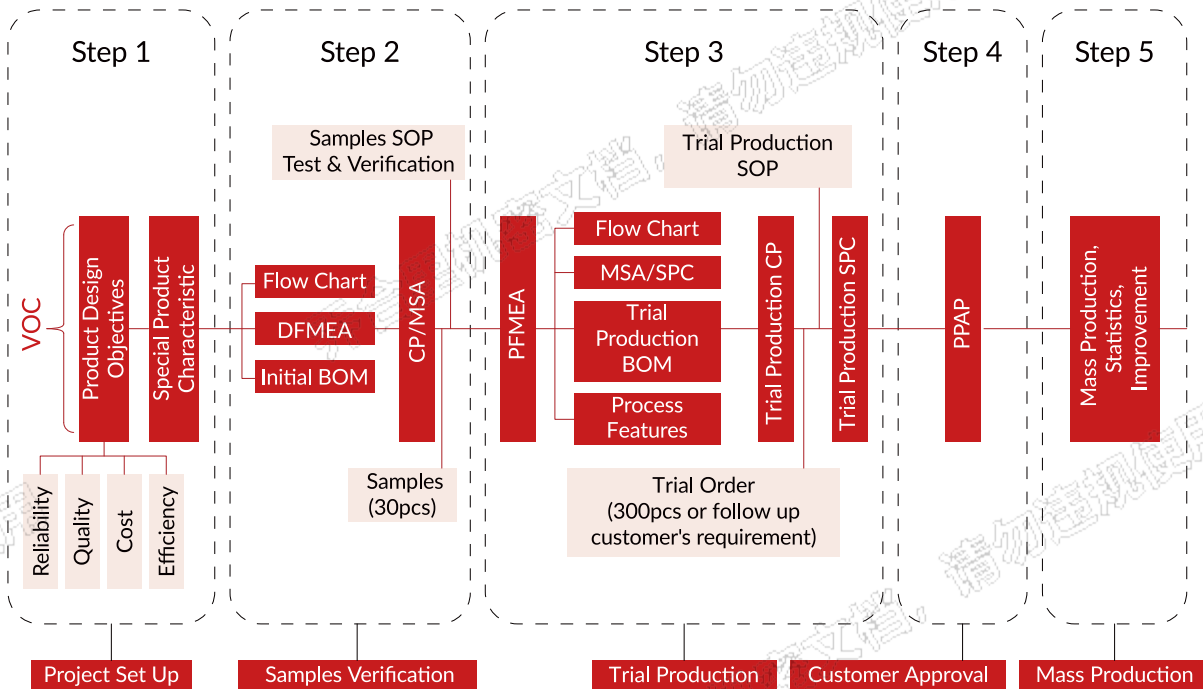
CHOGORI founded in 2007, our products are used in a wide variety of harsh industrial and outdoor applications in the areas of Electric Scooters, Electric Bicycles, Electric Emerging Markets, Electrical Outdoors, which require connectors and cables to be robust, dust-proof and waterproof.

Chogori has applied Toyota's lean management philosophy since 2013 to improve its operations. We have established International Industry Standard Laboratory, where all products are validated according to USCAR 2, USCAR 37, and DFMEA validation according to specific features required by our customers.

## GLOBAL DISTRIBUTION



## APQP SYSTEM



## INTELLECTUAL PROPERTY

Our company has obtained more than 300 patents (including invention patents, utility model patents and design patents)



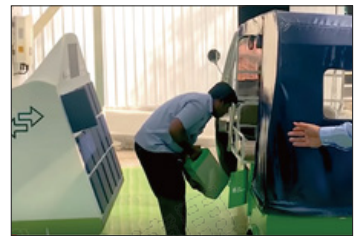
Our company has obtained IATF16949, ISO9001, ISO14001, ISO45001 certification, related products have also obtained CE, UL, TUV, 3C.



# RoHS



## CHOGORI CONNECTION SOLUTIONS FOR E-SCOOTER





# CONTENTS

## Power Connectors

7	Banga100 2+6 Pin (100A+5A)
8	Bourbon80 2+8 Pin (90A+5A)
9	Bourbon80 3+6 Pin (90A+5A)
10	LD80 2+8 Pin (80A+5A)
11	Mate60 2+4 Pin (60A+5A)
12	Mate60 2+1+5 Pin (60A+15A+5A)
13	Mate60 2+6 Pin (60A+5A)
14	Mate60 2+8 Pin (50A+5A)
15	Large 2+4 Pin (40A+5A)
16	Large Pro 2+4 Pin (50A+5A)
17	Large 2+1+5 Pin (40A+15A+5A)
18	FC04 Pro 2+10 Pin (100A+5A)
19	FC09 Pro 2+5 Pin (40A+5A)
20	ES-CP50 2 Pin (50A)
21	ES-CT6 2+5 Pin (25A+2A)
22	ES-CT6 2+5 Pin (100A+2A)
23	Middle 3 Pin (20A)
24	Middle 2+3 Pin (20A+5A)
25	M12 2+3 Pin (15A+2A)

## Signal Connectors

26	Micro-A 2-6 Pin (2A)
27	Dream 7 Pin (2A)
28	Dream 11 Pin (2A)

# CHOGORI



# Power Connectors

## APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

## ADVANTAGES

- Lock with latch
- Self-locking button to prevent accidental unlocking
- Up to 6 signal pins
- With an audible click when locked in place
- Countersunk panel mount solution with 90 degree cable out to reduce the overall height
- RoHS and REACH compliant
- IPXXB



## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 3000 Cycles

### Electrical Properties

Voltage Rating: 630V DC (Power)  
100V DC (Signal)

Current Rating: 100A+5A

Peak Current: Power 180A 30S

Withstand Voltage: 3500V AC (Power)  
1500V AC (Signal)

Insulation Resistance: 500MΩ at DC 500V

### Environmental Properties

IP Rating: IP66 Mated  
IPX7 Panel Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

### Others

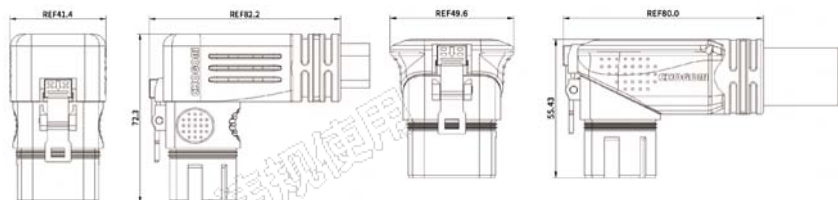
Wire Processing: Crimp (Power)  
Solder (Signal)

Wire Gauge: Power 25mm<sup>2</sup> / Max  
Signal 20AWG / Max

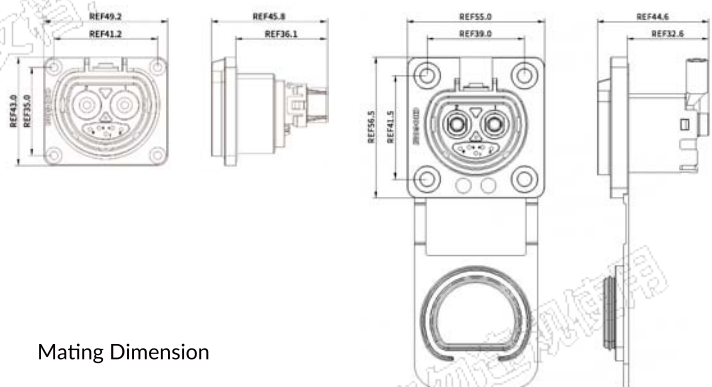
Flammability Rating: UL94 V-0

## DIMENSIONS

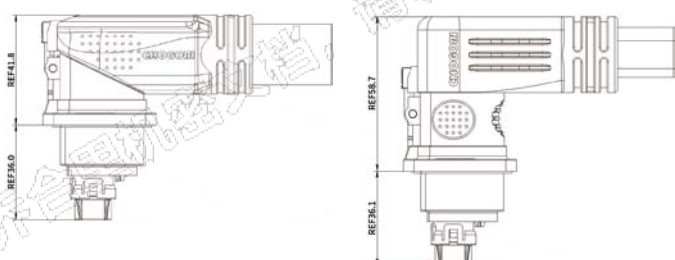
### Plug



### Panel



### Mating Dimension



For E-scooter and E-motorcycle charging and discharging application

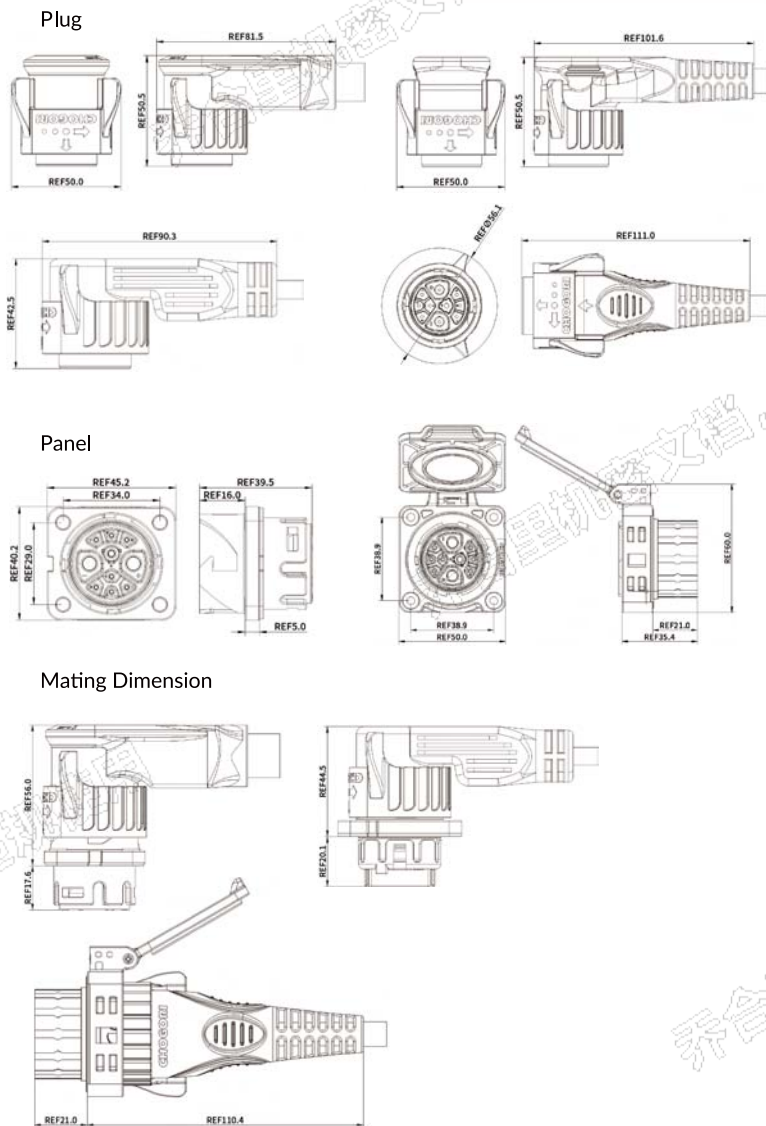
## APPLICATIONS

## ADVANTAGES



- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- A simple rotation-based lock release mechanism Locking nut with hand grip, easy access
- 4 locking dots design enhances connection stability in vibrating environments
- RoHS and REACH compliant
- IPXXB

## DIMENSIONS



## SPECIFICATIONS

### Mechanical Properties

**Mating Cycle:** 3000 Cycles

### Electrical Properties

**Voltage Rating:** 300V AC (Power)  
100V AC (Signal)

**Current Rating:** 90A+5A

**Peak Current:** Power 150A 10S

**Withstand Voltage:** 2000V AC (Power)  
1500V AC (Signal)

**Insulation Resistance:** 500MΩ at DC 500V

### Environmental Properties

**IP Rating:** IP67 Mated  
IP67 Panel Side

**Operating Temperature:** -40°C to 105°C

**Salt Spray:** 5%NaCl, 48H

### Others

**Wire Processing:**  
Crimp (Power) Solder (Signal) / Plug Side  
Crimp / Panel Side

**Wire Gauge:** Power 5AWG / Max  
Signal 20AWG / Max

**Flammability Rating:** UL94 V-0

## APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

## ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- 4 locking dots design enhances connection stability in vibrating environments
- A simple rotation-based lock release mechanism
- Locking nut with hand grip, easy access
- RoHS and REACH compliant
- IPXXB



## SPECIFICATIONS

### Mechanical Properties

**Mating Cycle:** 3000 Cycles

### Electrical Properties

**Voltage Rating:** 300V AC (Power)  
100V AC (Signal)

**Current Rating:** 90A+5A

**Withstand Voltage:** 2000V AC (Power)  
1500V AC (Signal)

**Insulation Resistance:** 500MΩ at DV 500V

### Environmental Properties

**IP Rating:** IP67 Mated; IP67 Panel Side

**Operating Temperature:** -40°C to 105°C / Plug Side  
-40°C to 125°C / Panel Side

**Salt Spray:** 5%Nacl, 48H

### Others

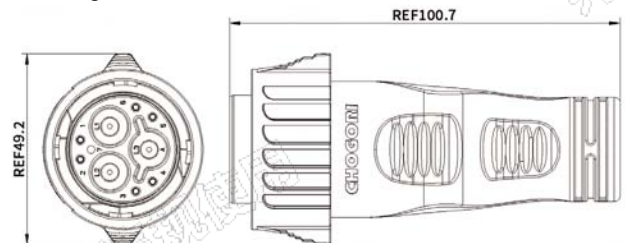
**Wire Processing:**  
Crimp (Power) Solder (Signal) / Plug Side  
Crimp / Panel Side

**Wire Gauge:** Power 5AWG / Max  
Signal 20AWG / Max

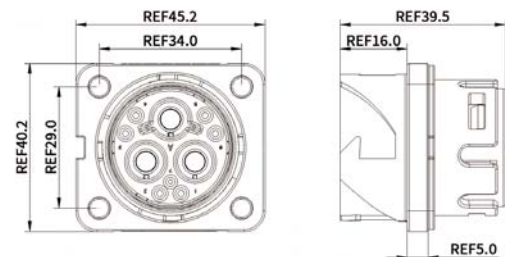
**Flammability Rating:** UL94 V-0

## DIMENSIONS

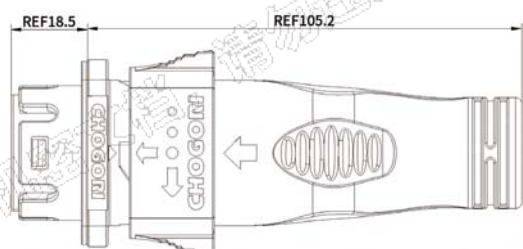
Plug



Panel



Mating Dimension



For E-scooter and E-motorcycle charging and discharging application

## APPLICATIONS

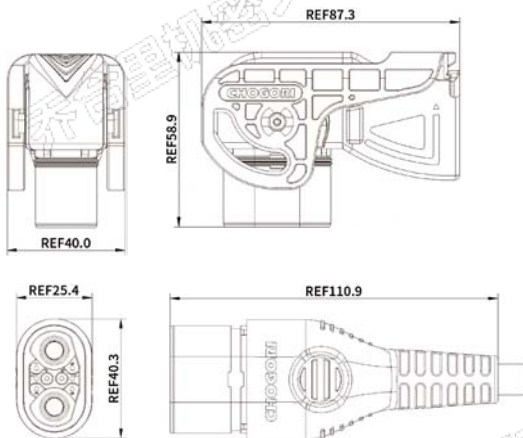
### ADVANTAGES

- With mechanical auxiliary lock, easy to plug and unplug in a small space
- Complete range of charging and discharging products
- Narrow width (40mm), suitable for e-motorcycle pedal position applications
- Features a secondary lock to effectively prevent accidental unlocking
- RoHS and REACH compliant
- IPXXB

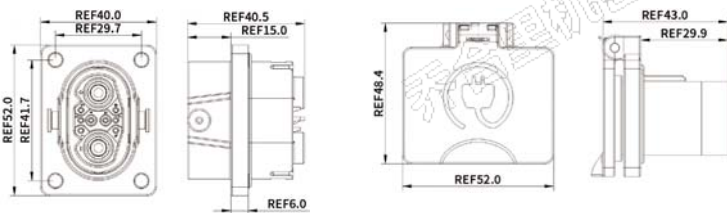


### DIMENSIONS

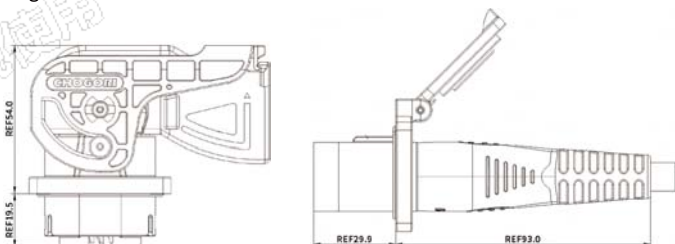
Plug



Panel



Mating Dimension



### SPECIFICATIONS

#### Mechanical Properties

Mating Cycle: 3000 Cycles

#### Electrical Properties

Voltage Rating: 300V AC (Power)  
100V AC (Signal)

Current Rating: 80A+5A

Withstand Voltage: 1500V AC

Insulation Resistance: 500MΩ at DC 500V

#### Environmental Properties

IP Rating: IPX7 Mated; IPX7 Panel Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

#### Others

##### Wire Processing:

Crimp (Power) Solder (Signal) / Plug Side  
Crimp (Power) Solder (Signal) / Panel Side

##### Wire Gauge:

Power 6AWG / Max  
Signal 20AWG / Max

##### Flammability Rating:

UL94 V-0

## APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

## ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- 3 locking dots design enhances connection stability in vibrating environments
- Countersunk panel mount solution with 90 degree cable out to reduce the overall height
- RoHS and REACH compliant
- IPXXB, IP67



## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 5000 Cycles

### Electrical Properties

Voltage Rating: 125V DC (Power)  
80V DC (Signal)

Current Rating: 60A+5A

Peak Current: Power 80A 60S

Withstand Voltage: 1500V AC

Insulation Resistance: 100MΩ at DC 500V

### Environmental Properties

IP Rating: IP67 Mated; IP67 Panel Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

### Others

#### Wire Processing:

Solder / Plug Side Gauge < 8AWG

Crimp (Power) Solder (Signal) / Plug Side Gauge 8AWG

Crimp / Panel Side

#### Wire Gauge:

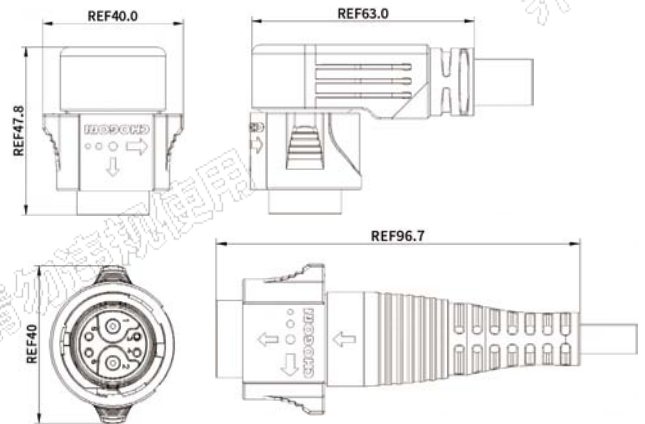
Power 8AWG / Max  
Signal 20AWG / Max

#### Flammability Rating:

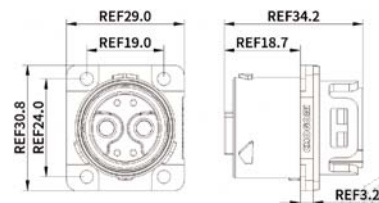
UL94 V-0

## DIMENSIONS

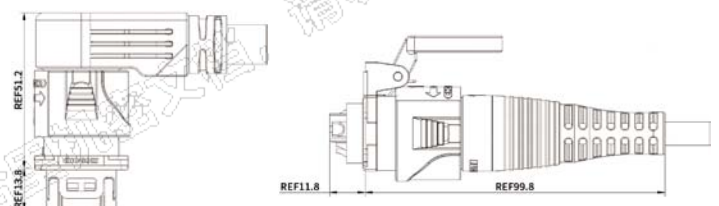
### Plug



### Panel



### Mating Dimension



For E-scooter and E-motorcycle charging and discharging application

## APPLICATIONS

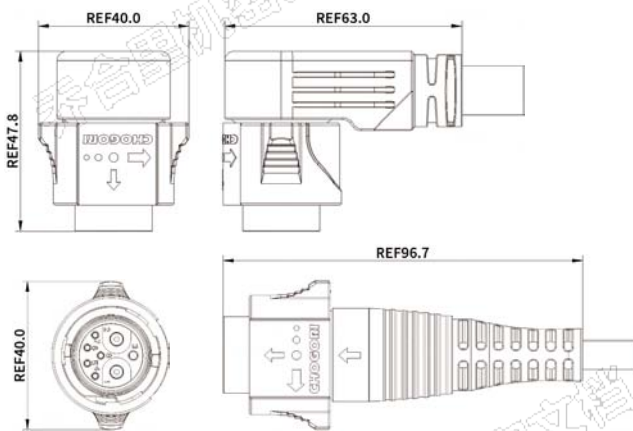
### ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- 3 locking dots design enhances connection stability in vibrating environments
- Countersunk panel mount solution with 90 degree cable out to reduce the overall height
- RoHS and REACH compliant
- IPXXB, IP67

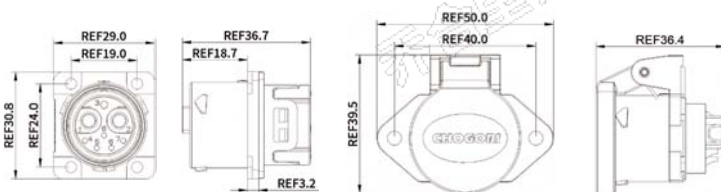


### DIMENSIONS

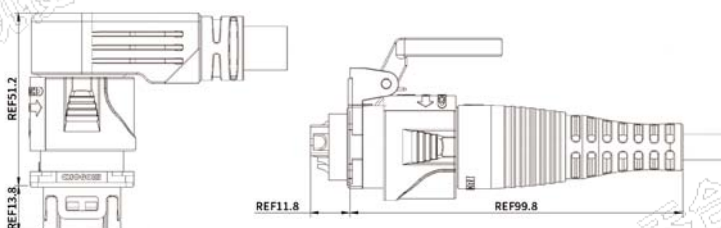
Plug



Panel



Mating Dimension



### SPECIFICATIONS

#### Mechanical Properties

Mating Cycle: 5000 Cycles

#### Electrical Properties

Voltage Rating: 125V DC (Power)  
80V DC (Signal)

Current Rating: 60A+15A+5A

Peak Current: Power 80A 60S

Withstand Voltage: 1500V AC

Insulation Resistance: 100MΩ at DC 500V

#### Environmental Properties

IP Rating: IP67 Mated; IP67 Panel Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

#### Others

##### Wire Processing:

Solder (Signal) / Plug Side Gauge < 8AWG  
Crimp (Power) Solder (Signal) / Plug Side Gauge 8AWG  
Crimp / Panel Side

##### Wire Gauge:

Power 8AWG / Max  
Charger 16AWG / Max  
Signal 20AWG / Max

##### Flammability Rating:

UL94 V-0

## APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

## ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- Design IEC60335.1 compliant(Protection against access to live parts+Resistant to bending and flexing
- RoHS and REACH compliant



## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 3000 Cycles

### Electrical Properties

Voltage Rating: 125V DC  
 Current Rating: 60A+5A  
 Withstand Voltage: 3000V DC  
 Insulation Resistance: 10MΩ at DC 500V

### Environmental Properties

IP Rating: IP67 Mated; IP67 Panel Side  
 Operating Temperature: -40°C to 85°C  
 Salt Spray: 5%NaCl, 48H

### Others

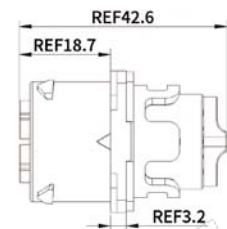
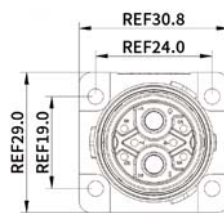
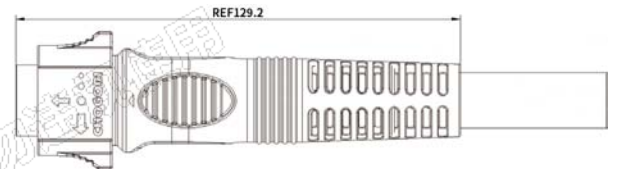
Wire Processing: Crimp  
 Wire Gauge: Power 7AWG / Max  
 Signal 20AWG / Max  
 Flammability Rating: UL94 V-0

## DIMENSIONS

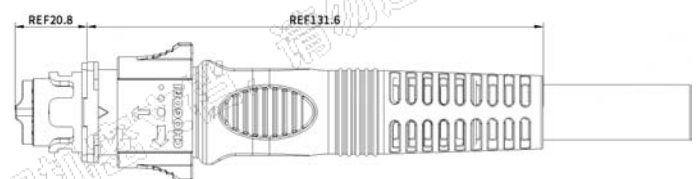
Plug



Panel



Mating Dimension



For E-scooter and E-motorcycle charging and discharging application

## APPLICATIONS

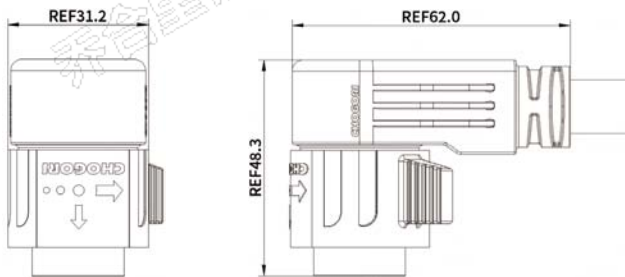
## ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- 3 locking dots design enhances connection stability in vibrating environments
- Rear-mounted flange with molding screw, easy to install
- RoHS and REACH compliant
- IPXXB

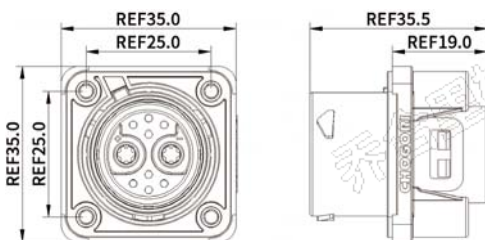


## DIMENSIONS

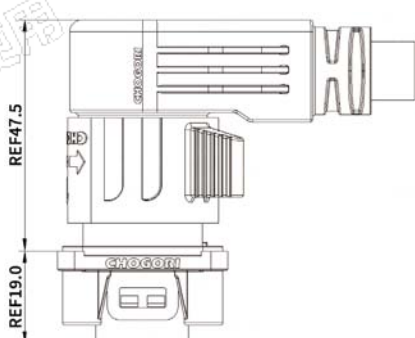
Plug



Panel



Mating Dimension



## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 5000 Cycles

### Electrical Properties

Voltage Rating: 80V DC  
 Current Rating: 50A+5A  
 Withstand Voltage: 1500V AC  
 Insulation Resistance: 100MΩ at DC 500V

### Environmental Properties

IP Rating: IPX7 Mated; IPX7 Panel Side  
 Operating Temperature: -40°C to 105°C  
 Salt Spray: 5%NaCl, 48H

### Others

Wire Processing: Solder / Plug Side  
 Crimp / Panel Side  
 Wire Gauge: Power 9AWG / Max  
 Signal 20AWG / Max  
 Flammability Rating: UL94 V-0

## APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

## ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- Overmold plug meets 10000 times bending test
- Panel mount solution with 90 degree cable out to reduce the overall height
- Lock nut with wings available to make disconnecting easier
- RoHS and REACH compliant



## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 3000 Cycles

### Electrical Properties

Voltage Rating: 80V DC  
 Current Rating: 40A+5A  
 Withstand Voltage: 1500V AC  
 Insulation Resistance: 100MΩ at DC 500V

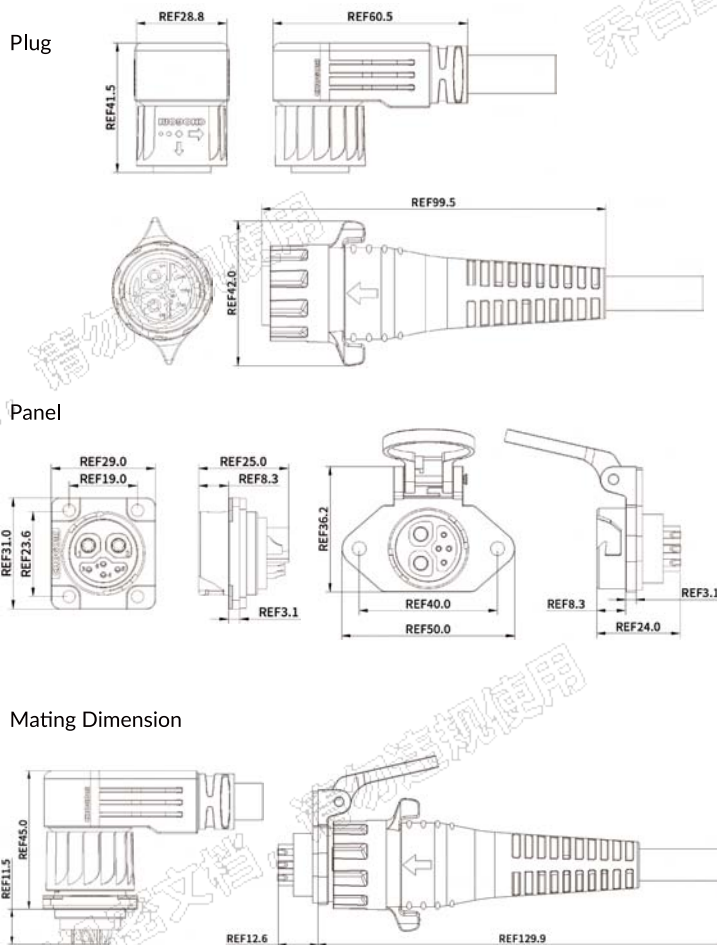
### Environmental Properties

IP Rating: IP67 Mated  
 Operating Temperature: -40°C to 105°C  
 Salt Spray: 5%NaCl, 48H

### Others

Wire Processing: Solder  
 Wire Gauge: Power 9AWG / Max  
 Signal 20AWG / Max  
 Flammability Rating: UL94 V-0

## DIMENSIONS



For E-scooter and E-motorcycle charging and discharging application

## APPLICATIONS

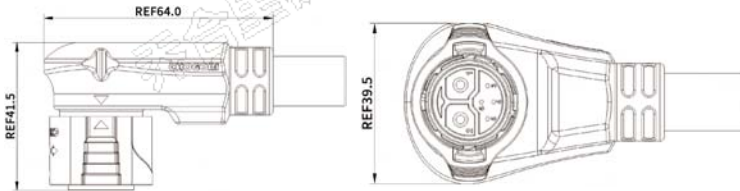
## ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- 4 locking dots design enhances connection stability in vibrating environments
- Feature a visual alignment window for accurate mating
- Compatible with Large 2+4
- Ergonomic design
- RoHS and REACH compliant

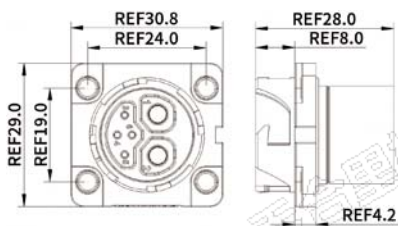


## DIMENSIONS

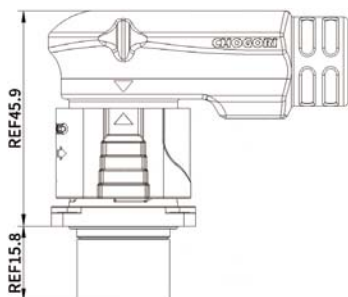
Plug



Panel



Mating Dimension



## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 3000 Cycles

### Electrical Properties

Voltage Rating: 300V AC (Power)  
80V DC (Signal)

Current Rating: 50A+5A

Withstand Voltage: 2000V AC (Power)  
1500V AC (Signal)

Insulation Resistance: 500MΩ at DC 500V

### Environmental Properties

IP Rating: IP67 Mated; IPX7 Panel Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

### Others

Wire Processing: Solder

Wire Gauge: Power 9AWG / Max  
Signal 20AWG / Max

Flammability Rating: UL94 V-0

# Large 2+1+5 Pin (40A+15A+5A)

# CHOGORI

## APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

## ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- Panel mount solution with 90 degree cable out to reduce the overall height
- Lock nut with wings available to make disconnecting easier
- RoHS and REACH compliant



## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 3000 Cycles

### Electrical Properties

Voltage Rating: 80V DC  
Current Rating: 40A+15A+5A  
Withstand Voltage: 1500V AC  
Insulation Resistance: 100MΩ at DC 500V

### Environmental Properties

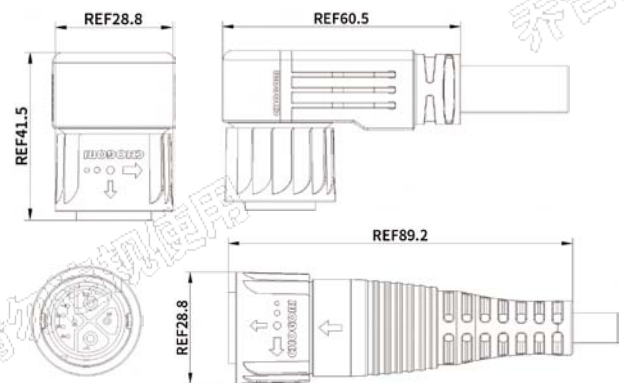
IP Rating: IP67 Mated  
Operating Temperature: -40°C to 105°C  
Salt Spray: 5%NaCl, 48H

### Others

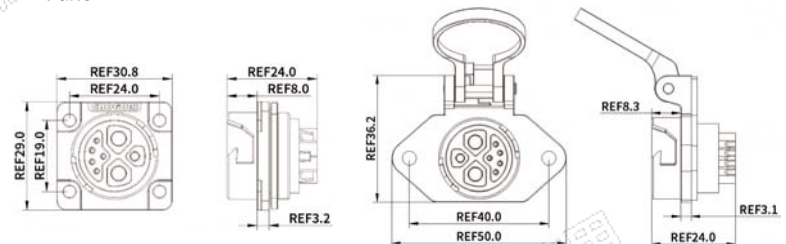
Wire Processing: Solder  
Wire Gauge: Power 9AWG / Max  
Signal 16AWG / Max  
Signal 20AWG / Max  
Flammability Rating: UL94 V-0

## DIMENSIONS

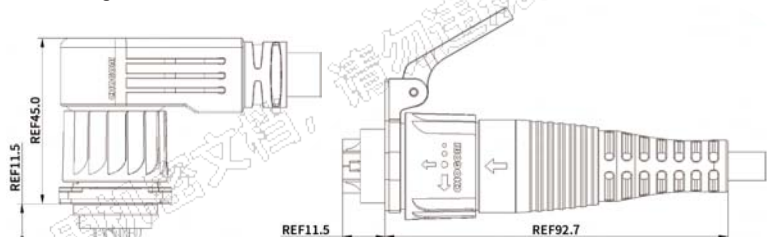
Plug



Panel



Mating Dimension



For E-scooter and E-motorcycle charging and discharging, swappable battery applications

## APPLICATIONS

### ADVANTAGES

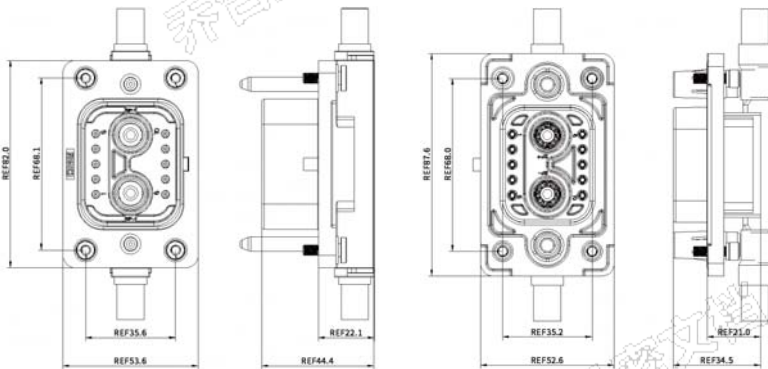
- 2 power + 10 signal pins layout
- 1mm self-floating
- 5.7mm NEWSOK power terminal-Chogori patented technology with high reliability, high current transmission capacity
- RoHS and REACH compliant



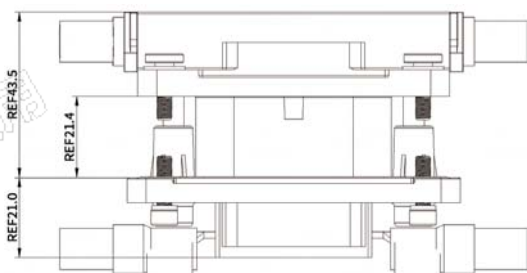
### DIMENSIONS

Vehicle Side

Battery Side



Mating Dimension



### SPECIFICATIONS

#### Mechanical Properties

Mating Cycle: 5000 Cycles

#### Electrical Properties

Voltage Rating: 80V DC

Current Rating: 100A+5A

Withstand Voltage: 1500V AC

Insulation Resistance: 500MΩ at DC 500V

#### Environmental Properties

IP Rating: IPX7 Battery Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

#### Others

Wire Processing: Crimp

Wire Gauge: Power 25mm<sup>2</sup> / Max Signal 20AWG / Max

Flammability Rating: UL94 V-0

Guide Post: Stainless Steel

# FC09 Pro 2+5 Pin (40A+5A)

# CHOGORI

## APPLICATIONS

For E-scooter and E-motorcycle charging and discharging, swappable battery applications

## ADVANTAGES

- Vehicle side with self-floating
- Support 180° bi-direction mating
- The end of vehicle-side with overmolding for waterproof protection
- RoHS and REACH compliant
- Battery side: IPXXB



## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 5000 Cycles

### Electrical Properties

Voltage Rating: 72V DC  
Current Rating: 40A+5A  
Withstand Voltage: 1500V AC  
Insulation Resistance: 100MΩ at DC 500V

### Environmental Properties

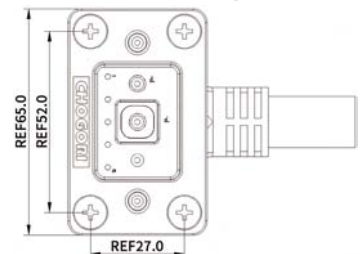
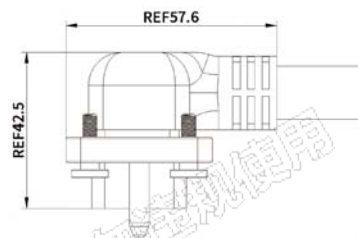
IP Rating: IPX5 Mated; IPX7 Panel Side  
Operating Temperature: -40°C to 105°C  
Salt Spray: 5%NaCl, 48H

### Others

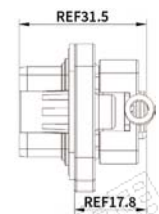
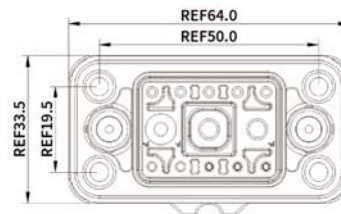
Wire Processing: Crimp (Power) Solder (Signal) / Plug Side  
Crimp / Panel Side  
Wire Gauge: Power 10AWG / Max Signal 20AWG / Max  
Flammability Rating: UL94 V-0  
Guide Post: Stainless Steel

## DIMENSIONS

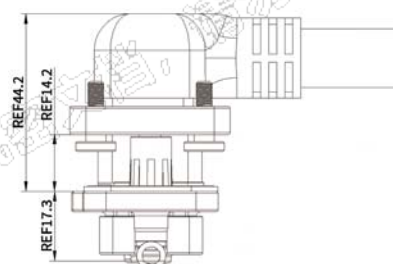
Vehicle Side



Battery Side



Mating Dimension



For E-scooter and E-motorcycle charging and discharging application

## APPLICATIONS

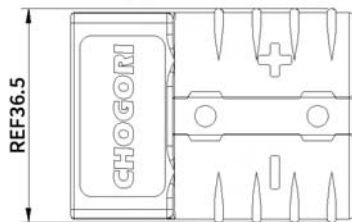
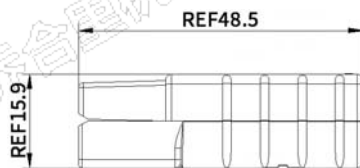
## ADVANTAGES

- Genderless interchangeable design
- CKD design
- Cost effective
- Small form factor
- High current in line connector
- RoHS and REACH compliant

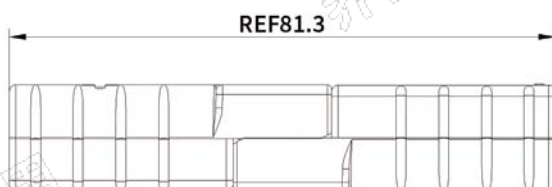


## DIMENSIONS

Plug



Mating Dimension



## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 10000 Cycles

### Electrical Properties

Voltage Rating: 600V AC  
Current Rating: 50A  
Withstand Voltage: 2200V AC  
Insulation Resistance: 100MΩ at DC 500V

### Environmental Properties

Operating Temperature: -20°C to 105°C  
Salt Spray: 5%NaCl, 48H

### Others

Wire Processing: Crimp  
Wire Gauge: 6.0 mm<sup>2</sup> / Max  
Flammability Rating: UL94 V-0

## APPLICATIONS

For E-scooter and E-motorcycle charging application, for assembly type cable application

## ADVANTAGES

- Push and press for locking and unlocking, easy to use
- Small form factor, easy to carry
- CKD design
- With micro switch
- Ergonomic design
- IS 17017\_2\_6/IEC 62196-6 standard interface
- RoHS and REACH compliant



## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 10000 Cycles

### Electrical Properties

Voltage Rating: 120V DC (Power)  
30V DC (Signal)

Current Rating: 25A+2A

Withstand Voltage: 2000V AC (Power)  
500V AC (Signal)

Insulation Resistance: 100MΩ at DC 500V

### Environmental Properties

IP Rating: IP55 Mated

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

### Others

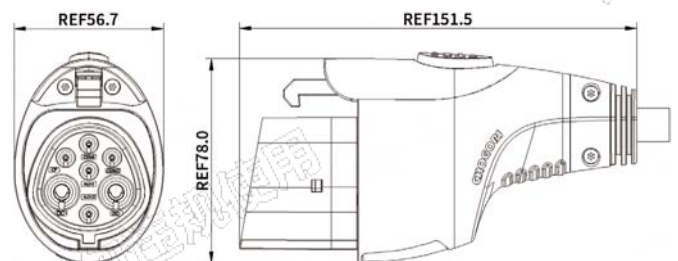
Wire Processing: Crimp

Wire Gauge: Power 12AWG / Max  
Signal 20AWG / Max

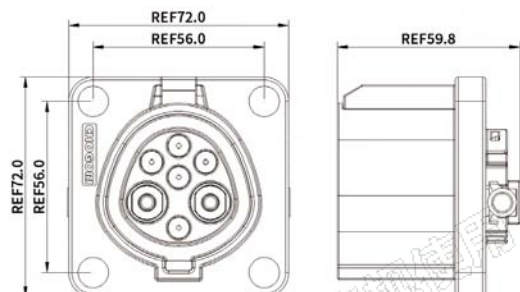
Flammability Rating: UL94 V-0

## DIMENSIONS

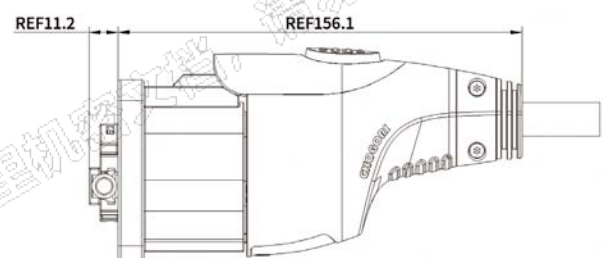
Charging Gun



Charging Inlet



Mating Dimension



For E-scooter and E-motorcycle charging application, for assembly type cable application

## APPLICATIONS

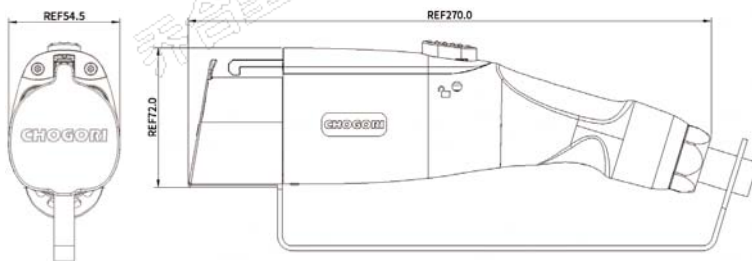
### ADVANTAGES

- Push and press for locking and unlocking, easy to use
- CKD design
- Mechanical lock or microswitch option
- Compliant with IS 17017\_2\_6/ IEC 62196-6
- Ergonomic design
- RoHS and REACH compliant

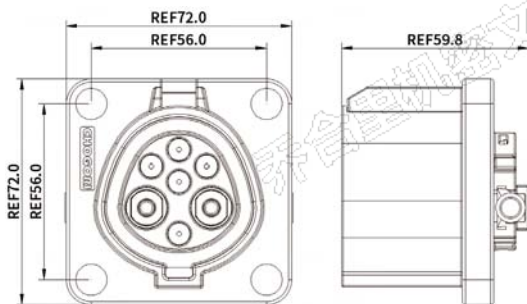


### DIMENSIONS

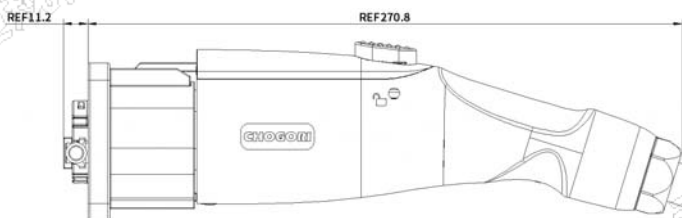
Charging Gun



Charging Inlet



Mating Dimension



### SPECIFICATIONS

#### Mechanical Properties

Mating Cycle: 10000 Cycles

#### Electrical Properties

Voltage Rating: 120V DC (Power)  
30V DC (Signal)

Current Rating: 100A+2A

Withstand Voltage: 2000V AC (Power)  
500V AC (Signal)

Insulation Resistance: 100MΩ at DC 500V

#### Environmental Properties

IP Rating: IP55 Mated; IP55 Charging Gun Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

#### Others

Wire Processing: Crimp

Wire Gauge: Power 16mm<sup>2</sup> / Max  
Signal 20AWG / Max

Flammability Rating: UL94 V-0

## APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

## ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- RoHS and REACH compliant



## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 500 Cycles

### Electrical Properties

Voltage Rating: 300V DC  
 Current Rating: 20A  
 Withstand Voltage: 2000V AC  
 Insulation Resistance: 100MΩ at DC 500V

### Environmental Properties

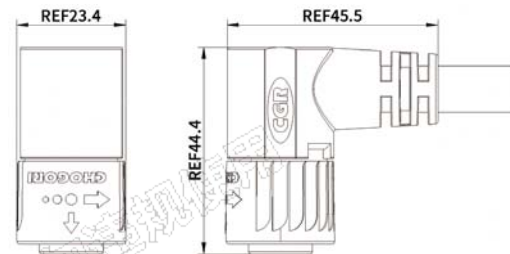
IP Rating: IP67 Mated  
 Operating Temperature: -40°C to 105°C  
 Salt Spray: 5%Nacl, 48H

### Others

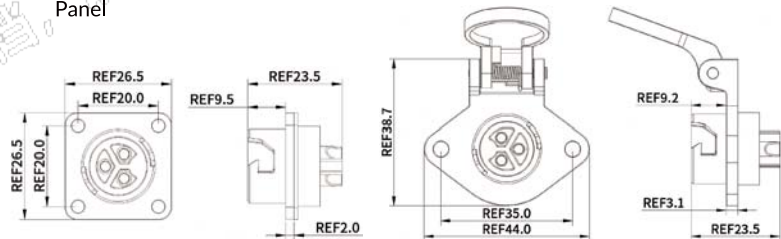
Wire Processing: Solder  
 Wire Gauge: 14AWG / Max  
 Flammability Rating: UL94 V-0

## DIMENSIONS

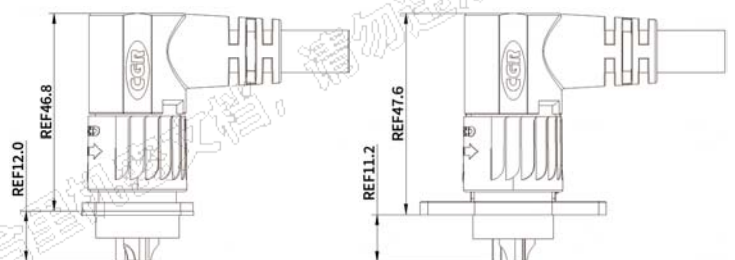
Plug



Panel



Mating Dimension



For E-scooter and E-motorcycle charging and discharging application

## APPLICATIONS

## ADVANTAGES

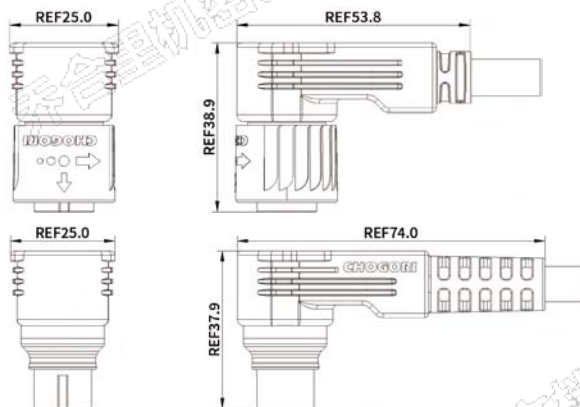
- Power and signal wires combination
- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- RoHS and REACH compliant



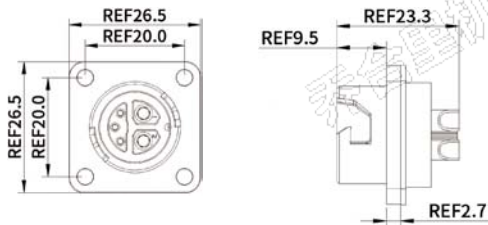
## DIMENSIONS

## SPECIFICATIONS

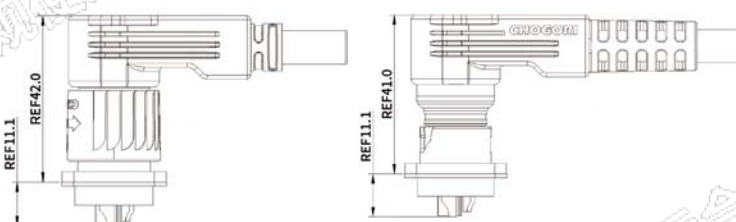
Plug



Panel



Mating Dimension



### Mechanical Properties

Mating Cycle: 500 Cycles

### Electrical Properties

Voltage Rating: 300V DC  
 Current Rating: 20A+5A  
 Withstand Voltage: 2000V AC  
 Insulation Resistance: 100MΩ at DC 500V

### Environmental Properties

IP Rating: IP67 Mated  
 Operating Temperature: -40°C to 105°C  
 Salt Spray: 5%NaCl, 48H

### Others

Wire Processing: Solder  
 Wire Gauge: Power 14AWG / Max  
 Signal 20AWG / Max  
 Flammability Rating: UL94 V-0

# M12 2+3 Pin (15A+2A)

# CHOGORI

## APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application, cable solution

## ADVANTAGES

- Metal nut connection, smooth feeling
- Power and signal wires combination
- Overmold structure, clean and flexible
- RoHS and REACH compliant



## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 200 Cycles

### Electrical Properties

Voltage Rating: 32V AC  
Current Rating: 15A+2A  
Withstand Voltage: 650V AC  
Insulation Resistance: 100MΩ at DC 500V

### Environmental Properties

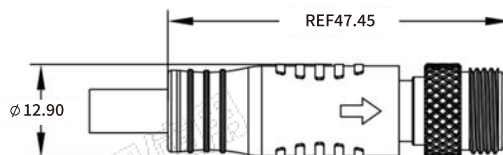
IP Rating: IP67 Mated  
Operating Temperature: -25°C to 85°C  
Salt Spray: 5%NaCl, 48H

### Others

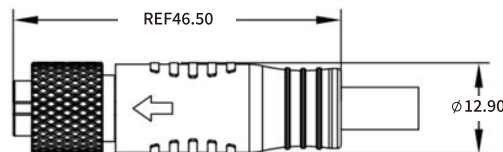
Wire Processing: Solder  
Wire Gauge: Power 16AWG / Max  
Signal 24AWG / Max  
Flammability Rating: UL94 V-0

## DIMENSIONS

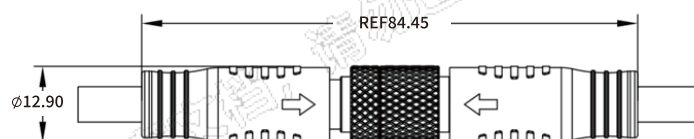
Male Plug



Female Plug



Mating Dimension





# Signal Connectors

## APPLICATIONS

Signal connectors for harsh environments

## ADVANTAGES

- Quick connect and disconnect
- Small size
- Overmold structure, clean and flexible
- RoHS and REACH compliant



## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 200 Cycles

### Electrical Properties

Voltage Rating: 48V AC / 60V DC

Current Rating: 2A

Withstand Voltage: 500V AC

Insulation Resistance: 20MΩ at DC 250V

### Environmental Properties

IP Rating: IP66 Mated

Operating Temperature: -25°C to 80°C

Salt Spray: 5%NaCl, 48H

### Others

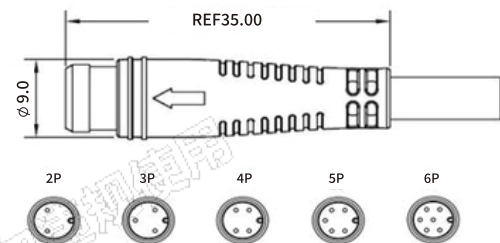
Wire Processing: Solder

Wire Gauge: 2-4 Pin 24AWG / Max  
5-6 Pin 26AWG / Max

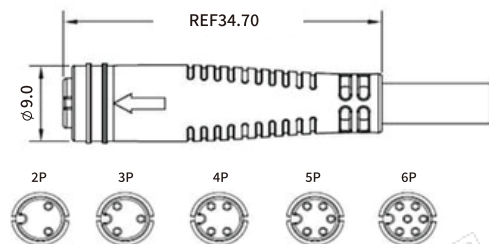
Flammability Rating: UL94 V-0

## DIMENSIONS

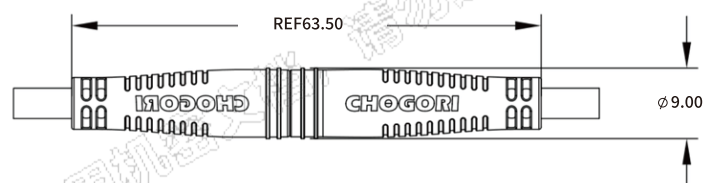
Male Plug



Female Plug



Mating Dimension



Signal connectors for harsh environments

APPLICATIONS

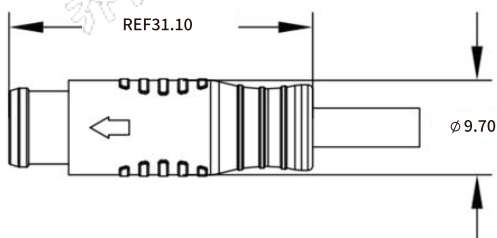
ADVANTAGES

- Quick connect
- Small size
- Overmold structure, clean and flexible
- RoHS and REACH compliant

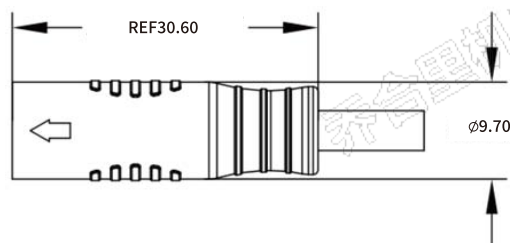


DIMENSIONS

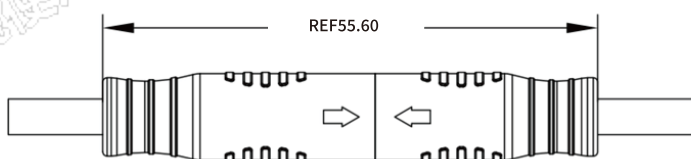
Male Plug



Female Plug



Mating Dimension



SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 200 Cycles

### Electrical Properties

Voltage Rating: 48V AC / 60V DC  
 Current Rating: 2A  
 Withstand Voltage: 500V AC  
 Insulation Resistance: 20M $\Omega$  at DC 500V

### Environmental Properties

IP Rating: IP66 Mated  
 Operating Temperature: -25°C to 80°C  
 Salt Spray: 5%NaCl, 48H

### Others

Wire Processing: Solder  
 Wire Gauge: 24AWG / Max  
 Flammability Rating: UL94-HB

## APPLICATIONS

Signal connectors for harsh environments

## ADVANTAGES



- Quick connect
- Small size
- Overmold structure, clean and flexible
- RoHS and REACH compliant

## SPECIFICATIONS

### Mechanical Properties

Mating Cycle: 200 Cycles

### Electrical Properties

Voltage Rating: 48V AC / 60V DC

Current Rating: 2A

Withstand Voltage: 250V AC

Insulation Resistance: 20MΩ at DC 250V

### Environmental Properties

IP Rating: IPX7 Mated

Operating Temperature: -25°C to 85°C

Salt Spray: 5%NaCl, 48H

### Others

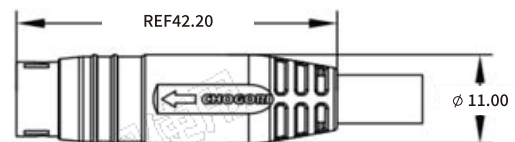
Wire Processing: Solder

Wire Gauge: 26AWG / Max

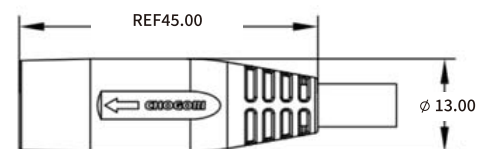
Flammability Rating: UL94 V-0

## DIMENSIONS

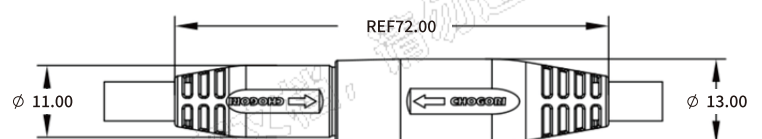
Male Plug



Female Plug



Mating Dimension

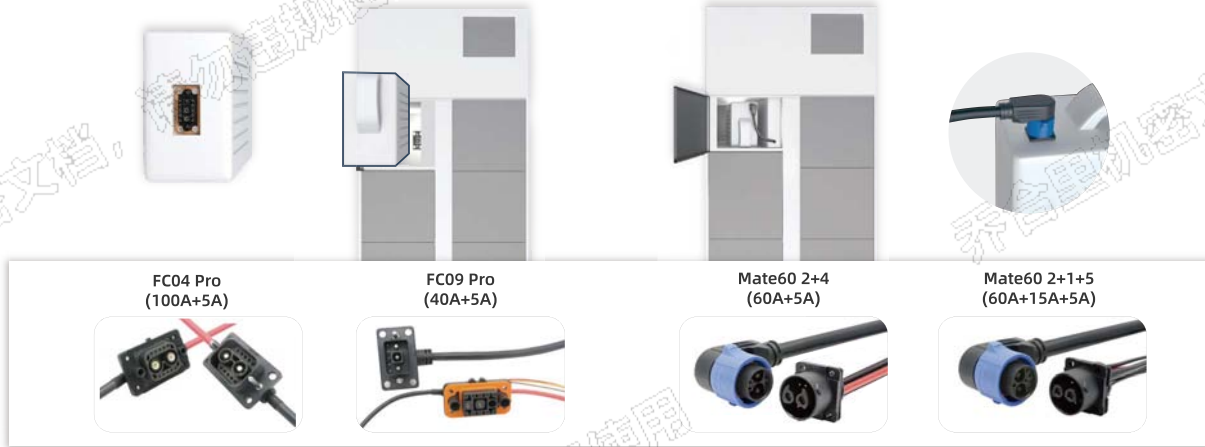


## APPLICATIONS

### Swappable Battery Connectors

● Bottom Connectors

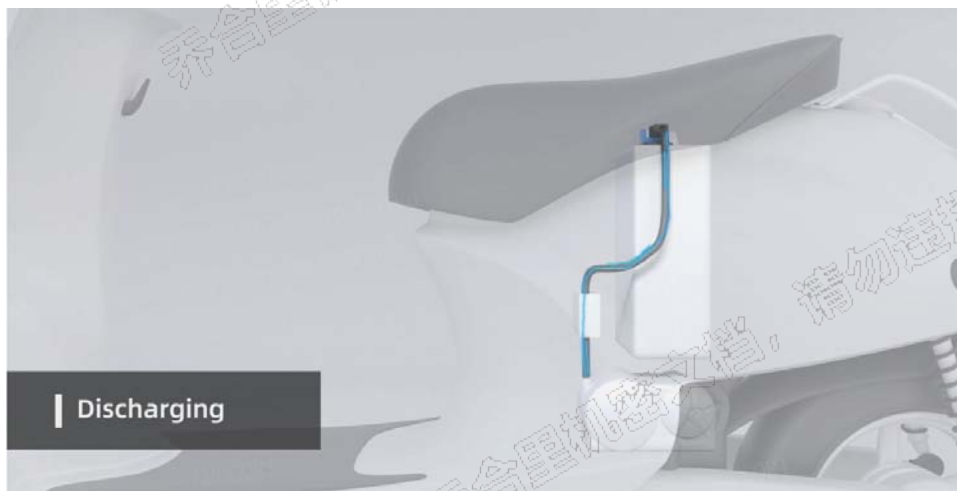
● Top Connectors



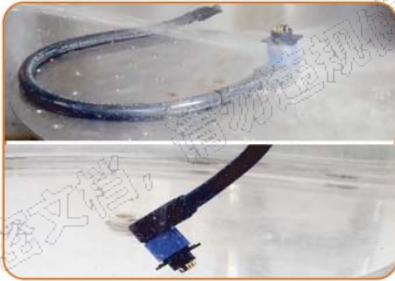
### On/off-Board Charging Connectors



### Discharging



## HIGH RELIABILITY CONNECTION SYSTEM



High pressure spray and waterproof test



Vibration test



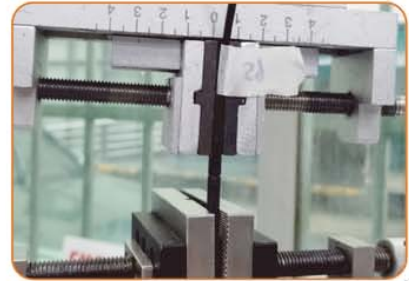
High and low temperature test



Wire bending test



Plug and remove life test



Insertion and removal force test



Temperature rise test



Machine working equipment



Automated connector production equipment



House of lean manufacturing



U-shaped production line



Kanban system



Chogori Technology Co., Ltd

7th-9th floor Building 2, No.58, Ping 'an Road, Guanlan Street, Longhua District  
Shenzhen City, Guangdong Province, China.

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