

# ELECTRIC VEHICLE CHARGING EQUIPMENT

**ARAKAWA**  
HEAVY DUTY ELECTRICAL CHARGER  
ヘビードューティー エレクトリカル チャージャー

Charge up with **ARAKAWA**, From portable chargers and durable cables to advanced charging stations and essential accessories, we provide everything you need to stay powered anywhere, anytime.



Safety  
Protection



Cost  
Effective



Simple  
Operation



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# PORTABLE EV CHARGER

**Portable charger is also known as Mode 2 charging cable.**  
It's suitable for your garage and can enable you to charge your car on the go.

These chargers come with various connectors to fit different EV models and can be plugged into standard household outlets or higher-power outlets for faster charging.



**Portable  
Design**



**Cost  
Effective**



**Easy  
To Use**



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

# AR-EVC-PCD020

LOW POWER (6A-16A)

**AR-EVC-PCD020** is the ideal and convenient backup for all electric vehicles. It has great water-proof performance and sturdy shell with IK10 protection. It is a safe, easy-to-use portable EV charger that allows you to charge in any weather condition.

## PRODUCT ADVANTAGES



**Great water-proof**  
Suitable for all weather conditions.



**LED Indicator**  
Indicators showing charging status.



**Solid Shell**  
Sturdy shell with IK10 protection.

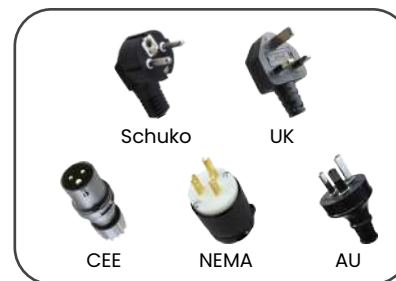


# Product Details

## AR-EVC-PCD020



- The indicator represents the ongoing current in a different color.
- Switch between 2 different output currents by pressing button; the default is 10/16A.



Customizable plug



Type1/Type2



Warning and Indicator Functions



Short-Circuit Protection



Over Temperature Protection



Leakage Protection



Output Overcurrent Protection



Input Under Voltage Protection



Input Overvoltage Protection



Charge Status Detection

### Model AR-EVC-PCD020

Input & Output	
Input voltage/Output voltage	100~250V AC
Input frequency	47~63Hz
Max. output power	3.6kW
Max. output current	16A 1Phase
Charging interface type	IEC 62196-2, SAE J1772

Working environment	
IP rating	IP66
Environment temperature	-40°C~+75°C
Relative humidity	0~95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

Certificate	
Certificate	CE, RoHS

Function	
Ethernet/WIFI/4G/Bluetooth	No
LCD	No
RCD	Type A
LED Indicator light	✓
Current adjusting	✓

Mechanical	
Dimension (L/W/D)	245/105/48mm
Weight	2.5KG

Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

# AR-EVC-PCD030

LOW POWER WITH LCD SCREEN (6A-16A)

**AR-EVC-PCD030** is a low power charger with LCD screen. It is available for max 5 different currents adjustable, has great quality with built-in Type A RCD or 6mA DC RCD optional.

## PRODUCT ADVANTAGES



### LCD Display

Monitor charging status easily.



### LED Indicator

Indicators showing charging status.



### Adjustable Currents

Max. 5 currents adjustable.

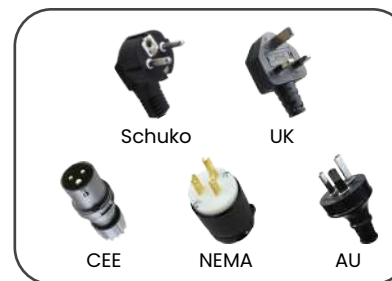


# Product Details

## AR-EVC-PCD030



- With built-in Type A RCD, our charger is suitable for all the markets.
- Optional 6mA DC RCD provides double protections when using our charger.



Customizable plug



Type1/Type2



Warning and  
Indicator Functions



Short-Circuit  
Protection



Over Temperature  
Protection



Leakage  
Protection



Output Overcurrent  
Protection



Input Under  
Voltage Protection



Input Overvoltage  
Protection



Charge Status  
Detection

### Model AR-EVC-PCD030

Input & Output	
Input voltage/Output voltage	100~250V AC
Input frequency	47~63Hz
Max. output power	3.6kW
Max. output current	16A 1Phase
Charging interface type	IEC 62196-2, SAE J1772

Working environment	
IP rating	IP66
Environment temperature	-40°C~+75°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

Certificate	
Certificate	CE, TUV, RoHS

Function	
Ethernet/WIFI/4G/Bluetooth	No
LCD	1.8-inch color display
RCD	Type A / Type A+6mA DC
LED Indicator light	Rolling
Current adjusting	✓

Mechanical	
Dimension (L/W/D)	249/105/55mm
Weight	3KG

Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

# AR-EVC-PCD040

**HIGH POWER WITH LCD SCREEN (6A-40A)**

**AR-EVC-PCD040** is a high power single phase portable charger, equipped with industrial-grade LCD display, can demonstrate real-time current, voltage and time clearly, even can remain normal charging in extreme weather. It's also compatible with more than 99.5% electric vehicle.

## PRODUCT ADVANTAGES



### LCD Display

Monitor charging status easily.



### Higher Power

Faster charging speed, max. 40A.



### Safe Use

Built in smart chip.

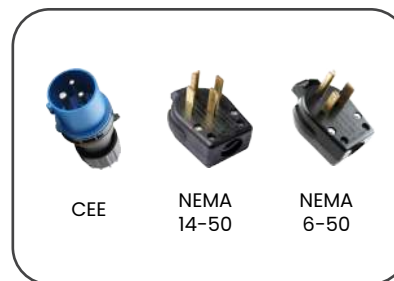


Product Details

# AR-EVC-PCD040



- Higher power for a faster charging speed, max. 40amp.
- Large LCD to show real-time current, voltage and time etc.
- Safe use when working at a higher power with built-in intelligent chip.



Customizable plug



Type1/Type2



Warning and  
Indicator Functions



Short-Circuit  
Protection



Over Temperature  
Protection



Leakage  
Protection



Output Overcurrent  
Protection



Input Under  
Voltage Protection



Input Overvoltage  
Protection



Charge Status  
Detection

## Model AR-EVC-PCD040

Input & Output	
Input voltage/Output voltage	100~250V AC
Input frequency	47~63Hz
Max. output power	8.8kW
Max. output current	40A 1Phase
Charging interface type	IEC 62196-2, SAE J1772

Working environment	
IP rating	IP66
Environment temperature	-40°C~+75°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

Certificate	
Certificate	CE, RoHS, FCC

Function	
Ethernet/WIFI/4G/Bluetooth	No
LCD	1.8-inch color display
RCD	Type A
LED Indicator light	Blink (040) Rolling (041)
Current adjusting	✓

Mechanical	
Dimension (L/W/D)	265/105/55mm
Weight	5KG

Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

# AR-EVC-PCD050

## THREE PHASE SMART CHARGER

**AR-EVC-PCD050** is a 3-phase multi-functional fast charging option with adjustable phase and current, time and delay setting, a touch round LCD and six universal adapters. It is our highly popular charger and is compatible with more than 99.5% of the EV models on the market. Especially, it can be easily accomodated in a single bag.



### PRODUCT ADVANTAGES



**Adjustable**  
Adjustable phase and current.



**Training Delay**  
Time setting and delay setting.



**Protector**  
Built-in RCD Type A+6mA DC.



**Intelligent Identification**  
Universal adaptor with automatic recognition.



# Product Details

## AR-EVC-PCD050



### ADAPTER



CEE red MAX32A(three phase)×1PC



CEE blue MAX32A(single phase)×1PC



CEE red MAX 16A(three phase)×1PC



CEE black MAX 16A(single phase)×1PC



UK plug MAX 13A×1PC



SCHUKO plug MAX 16A×1PC



Warning and  
Indicator Functions



Short-Circuit  
Protection



Over Temperature  
Protection



Leakage  
Protection



Output Overcurrent  
Protection



Input Under  
Voltage Protection

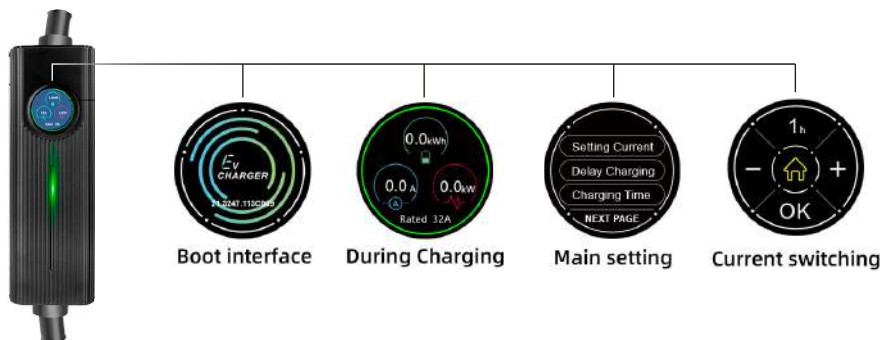


Input Overvoltage  
Protection



Charge Status  
Detection

- Adjustable phase and current.
- Time setting and delay setting.
- Built-in RCD Type A+6mA DC.
- Universal adapter with automatic recognition (The charger will automatically recognize the adapter & the current limit accordingly).



Boot interface

During Charging

Main setting

Current switching

### Model AR-EVC-PCD050

Input & Output	
Input voltage/Output voltage	AC 230V/400V
Input frequency	47~63Hz
Max. output power	1-phase up to 7.4kW (MAX 32A) 3-phase up to 16kW (MAX 24A)
Max. output current	32A for 1 phase/24A for 3 phase
Standard	IEC 62752:2016

Working environment	
IP rating	IP66
Environment temperature	-40°C~+70°C
Relative humidity	5%~95%
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

Certificate	
Certificate	CE, RoHS

Function	
Ethernet/WIFI/4G/Bluetooth	No
LCD	✓
RCD	Type A+6mA DC
LED Indicator light	✓
Current adjusting	✓

Mechanical	
Control box	300*66*86mm
Weight	12KG

# EV CHARGING CABLES

EV charging cable is also called **Mode 3 cable**. Main function is to connect EV charging station and electric vehicle. It can be classified into **Type 1 Cable** and **Type 2 Cable**.

These cables are designed to handle high power levels safely and efficiently. With various lengths, connectors, and power capacities to suit different charging requirements & EV models.



Flexible  
Lengths



Cost  
Effective



Easy  
To Use





Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

# TYPE 1

SAE J1772 2017 (TYPE 1)  
NORTH AMERICAN STANDARD



A standardized connector for electric vehicle (EV) charging in **North America**, featuring a five-pin design for safety and ensures compatibility across various EV models and charging stations.



## PRODUCT ADVANTAGES



**Customizable**  
Customizable color, length and logo.



**Great water-proof**  
Suitable for all weather conditions.



**Solid Material**  
Service life is more than 20,000 times.

## OUR PRODUCT MODELS

AR-EVC-CHC007	16A
AR-EVC-CHC008	32A
AR-EVC-CHC007-S	16A
AR-EVC-CHC008-S	32A

Product Details

# TYPE 1 - SAE J1772



**STRAIGHT CABLE**  
Type 1 cable (SAE J1772)



**COILED CABLE**  
Type 1 cable (SAE J1772)



Type 1 / SAE J1772 Plug



Type 2 / IEC 62196-2  
Male Plug



TPU/TPE Cable

- Uniquely designed plug terminals with self-cleaning function to prevent electric sparks.
- Silver-plated plug terminals with good conductivity to prevent over-heating.
- Detection and control of inner temperature to ensure charging safety.
- Integrated plug design with excellent waterproof performance to support outdoor use.
- Solid plug structure can withstand the rolling of a vehicle.

### Mode 3 EV Charging Cable

Input & Output	
Current	16A/32A
Voltage	AC 230V/400V
Contact Pin	Copper alloy, silver plated
Vibration Resistance	Meet JDQ53.3 requirements
Charging Standard	IEC 62196-2, SAE J1772

Working environment	
Protection Degree	IP66
Withstand Voltage	2000V
Working Temperature	-25°C~55°C
Insulation Resistance	>1000MΩ
Terminal Temperature Rise	<50K
Service Life	>10000 times

Certificate	
Certificate	CE, RoHS

Mechanical	
Length	5M (standard)
Color	Black (standard)
Cable / Cord / Wire	Straight / Coiled
Plug Material	ABS+PC Alloy
Cable Material	TPE/TPU
Weight	2.5KG~4KG

Customization options	
Cable length	✓
Cable color	✓
Plug color	✓
Logo printing	✓



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

# TYPE 2

IEC 62196-2 (MENNEKES, TYPE 2)  
EUROPEAN STANDARD



International standard for EV connectors, commonly known as the Type 2 connector or Mennekes connector. Widely used in **Europe & other regions** for AC charging of electric vehicles.



## PRODUCT ADVANTAGES



### Customizable

Customizable color, length and logo.



### Great water-proof

Suitable for all weather conditions.



### Solid Material

Service life is more than 20.000 times.

## OUR PRODUCT MODELS

AR-EVC-CHC001 Single Phase	16A
AR-EVC-CHC002 Three Phase	16A
AR-EVC-CHC001-S Single Phase	16A
AR-EVC-CHC002-S Three Phase	16A
AR-EVC-CHC003 Single Phase	32A
AR-EVC-CHC004 Three Phase	32A
AR-EVC-CHC003-S Single Phase	32A
AR-EVC-CHC004-S Three Phase	32A

Product Details

# TYPE 2 - IEC 62196-2



**STRAIGHT CABLE**  
Type 2 cable (IEC 62196-2)



**COILED CABLE**  
Type 2 cable (IEC 62196-2)



Type 2 / IEC 62196-2  
Female Plug



Type 2 / IEC 62196-2  
Male Plug



TPU/TPE Cable

- Uniquely designed plug terminals with self-cleaning function to prevent electric sparks.
- Silver-plated plug terminals with good conductivity to prevent over-heating.
- Detection and control of inner temperature to ensure charging safety.
- Integrated plug design with excellent waterproof performance to support outdoor use.
- Solid plug structure can withstand the rolling of a vehicle.

### Mode 3 EV Charging Cable

Input & Output	
Current	16A/32A
Voltage	AC 230V/400V
Contact Pin	Copper alloy, silver plated
Vibration Resistance	Meet JDQ53.3 requirements
Charging Standard	IEC 62196-2, SAE J1772

Working environment	
Protection Degree	IP66
Withstand Voltage	2000V
Working Temperature	-25°C~55°C
Insulation Resistance	>1000MΩ
Terminal Temperature Rise	<50K
Service Life	>10000 times

Certificate	
Certificate	CE, RoHS

Mechanical	
Length	5M (standard)
Color	Black (standard)
Cable / Cord / Wire	Straight / Coiled
Plug Material	ABS+PC Alloy
Cable Material	TPE/TPU
Weight	2.5KG~4KG

Customization options	
Cable length	✓
Cable color	✓
Plug color	✓
Logo printing	✓



# EV CHARGING STATION

**EV wallbox, also known as Level 2 charger or Mode 3 charger** is the most popular charging solution for residential and public use.

designed to power electric vehicles quickly, safely, and efficiently. Perfect for homes, businesses, & public spaces, our charging stations are robust, user-friendly, and compatible with all major EV models.



**Safety Protection**



**Cost Effective**



**Easy To Use**

Basic Version

**RFID** Version

**APP** Version

**OCPP** Version

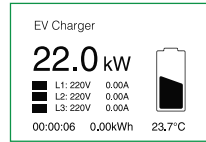
# STATION MODEL

Model BA  
Model BC

Ev Charging  
Cable

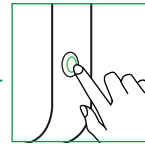
Ev Charging  
Station

Accessories  
Connector

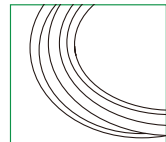


### LCD Display

Can indicate charging status like charging time, voltage, power consumption, etc.

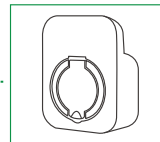


**BUTTON Switch**  
Can press the button to boot or break.



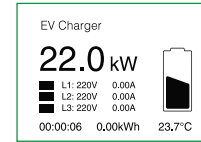
### TPU Cable

Desireable properties of both materials, superior strength & heat resistance of PC & flexibility of ABS.



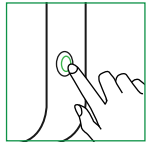
### SOCKET

Socket outlet for EV charging with alternating current (AC).

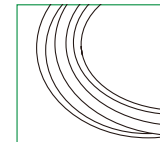


### LCD Display

Can indicate charging status like charging time, voltage, power consumption, etc.

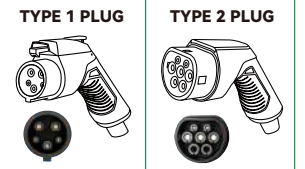


**BUTTON Switch**  
Can press the button to boot or break.



### TPU Cable

Desireable properties of both materials, superior strength & heat resistance of PC & flexibility of ABS.



### TYPE 1 PLUG

### TYPE 2 PLUG

### High Compatibility

Fitting 99.5% EVs , 100% correctly & effectively.

### Safety Protection

Provide full and complete protection while charging.

### IP66 Waterproof

Can maintain normal use even in extreme weather.



Portable  
Ev Charger

Ev Charging  
Cable

**Ev Charging  
Station**

Accessories  
Connector

WALLBOX



# BASIC VERSION

3.6kW / 7.2kW / 11kW / 22kW

The basic wall-mounted charger is suitable for home use, It is **user-friendly, easy to install, stable in performance** and has complete protection mechanism. It is compatible to/with any electric vehicle. The LCD display can show the detail charging status.

#### STATION TYPE

AR-EVC20-BA

AR-EVC20-BC

## PRODUCT ADVANTAGES



#### Intelligent Chip

non-hardware faults during charging



#### Colorful LCD Display

Shows the charging status like charging time, voltage, power consumption etc.



#### Easy Installation

Only takes few steps to mount the charger on wall, no complicated wiring process.

# Product Details

## BASIC VERSION



AR-EVC20-BA

AR-EVC20-BC

### OUR PRODUCT MODELS

<b>1</b> AR-EVC20-BA 3.6KW 16A Single Phase	<b>5</b> AR-EVC20-BC 3.6KW 16A Single Phase
<b>2</b> AR-EVC20-BA 7.2KW 32A Single Phase	<b>6</b> AR-EVC20-BC 7.2KW 32A Single Phase
<b>3</b> AR-EVC20-BA 11KW 16A Three Phase	<b>7</b> AR-EVC20-BC 11KW 16A Three Phase
<b>4</b> AR-EVC20-BA 22KW 32A Three Phase	<b>8</b> AR-EVC20-BC 22KW 32A Three Phase

Every electric vehicle owner has a charging station installed at home for daily use. When they choose home charging stations, below are their benefits:



#### EASY TO INSTALL

No need for complicated installation tools.



#### HIGH SECURITY

Protection mechanism and local quality certification.



#### SIMPLE TO OPERATE

Time will not be wasted on figuring out various function.



#### STRONG STABILITY

simple minor faults can be easily repaired after restarting.



#### HIGH COMPATIBILITY

Capable to identify various EV models and support the charging settings on different vehicle.

### Model AR-EVC20

Input & Output	
Input voltage/Output voltage	AC 230V/400V
Input frequency	47~63Hz
Max. output power	7.6kW(1 Phase)/22kW(3 Phase)
Max. output current	32A
Charging interface type	IEC 62196-2, SAE J1772

Working environment	
IP rating	IP66
Environment temperature	-40°C~+75°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

Mechanical	
Dimension (L/W/D)	295/195/65mm
Weight	6KG-8KG

Certificate	
Certificate	CE, RoHS, FCC, CSA

Protection	
Over voltage protection	✓
Under voltage protection	✓
Over load protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Lightning protection	✓

Function	
Ethernet/WIFI/4G/Bluetooth	Optional
LCD	3.5-inch color display
RCD	Type A / type A+6mA DC
LED Indicator light	✓
Current adjusting	✓

Portable  
Ev Charger

Ev Charging  
Cable

**Ev Charging  
Station**

Accessories  
Connector

WALLBOX



# RFID VERSION

3.6kW / 7.2kW / 11kW / 22kW

The RFID wall-mounted charging station is suitable for both indoor and outdoor charging. By using our compact RFID card, you can start or stop charging, prevent unauthorized people to use your charging station.

## STATION TYPE

AR-EVC20-BA-RFID

AR-EVC20-BC-RFID

## PRODUCT ADVANTAGES



### Intelligent Chip

non-hardware faults during charging



### Colorful LCD Display

Shows the charging status like charging time, voltage, power consumption etc.



### RFID Control

The charging station can be started/stopped by swiping the specialized RFID card.



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

# Product Details

## RFID VERSION

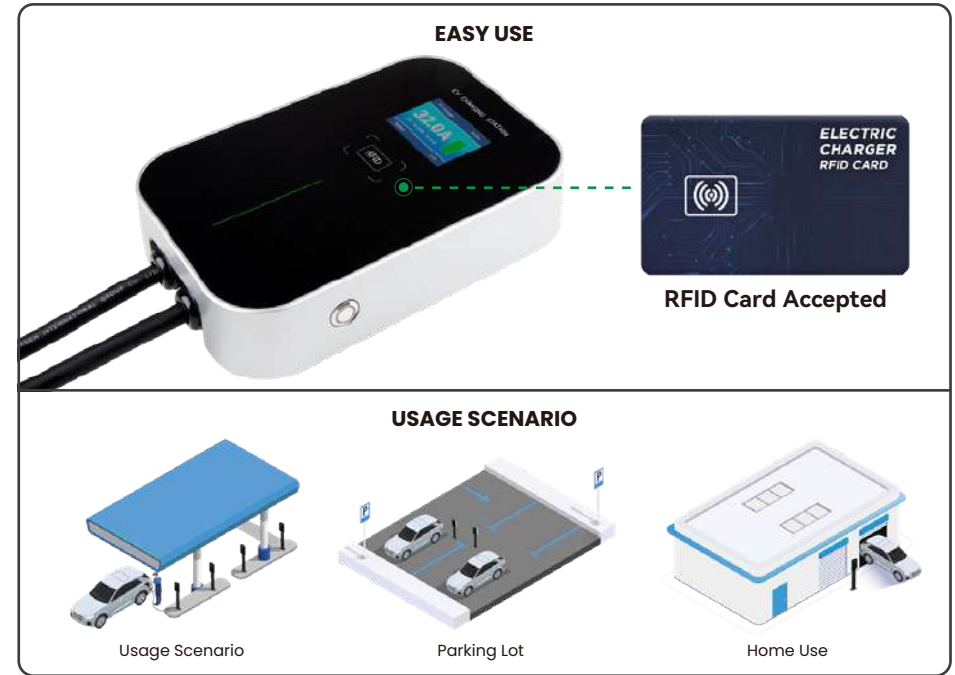


**AR-EVC20-BA-RFID**

**AR-EVC20-BC-RFID**

### OUR PRODUCT MODELS

<b>1</b> AR-EVC20-BA-RFID 3.6KW 16A Single Phase	<b>5</b> AR-EVC20-BC-RFID 3.6KW 16A Single Phase
<b>2</b> AR-EVC20-BA-RFID 7.2KW 32A Single Phase	<b>6</b> AR-EVC20-BC-RFID 7.2KW 32A Single Phase
<b>3</b> AR-EVC20-BA-RFID 11KW 16A Three Phase	<b>7</b> AR-EVC20-BC-RFID 11KW 16A Three Phase
<b>4</b> AR-EVC20-BA-RFID 22KW 32A Three Phase	<b>8</b> AR-EVC20-BC-RFID 22KW 32A Three Phase



### Model AR-EVC20-RFID

Input & Output	
Input voltage/Output voltage	AC 230V/400V
Input frequency	47~63Hz
Max. output power	7.6kW(1 Phase)/22kW(3 Phase)
Max. output current	32A
Charging interface type	IEC 62196-2, SAE J1772

Working environment	
IP rating	IP66
Environment temperature	-40°C~+75°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

Mechanical	
Dimension (L/W/D)	295/195/65mm
Weight	6KG-8KG

Certificate	
Certificate	CE, RoHS, FCC, CSA

Protection	
Over voltage protection	✓
Under voltage protection	✓
Over load protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Lightning protection	✓

Function	
Ethernet/WIFI/4G/Bluetooth	Optional
LCD	3.5-inch color display
RCD	Type A / type A+6mA DC
LED Indicator light	✓
Current adjusting	✓

Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

WALLBOX






# APP VERSION

3.6kW / 7.2kW / 11kW / 22kW

It is an intelligent wall-mounted charging station, which can freely set the charging time and duration, remote control by APP, and check your charging history documents anytime.

STATION TYPE
AR-EVC20-BA-APP
AR-EVC20-BC-APP

## PRODUCT ADVANTAGES

-  **Intelligent Chip**  
non-hardware faults during charging
-  **Colorful LCD Display**  
Shows the charging status like charging time, voltage, power consumption etc.
-  **APP Control**  
The charging station can be easily controlled by phone, freely start or stop charging, set charging time & current.

Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector



### AR-EVC20-BA-APP

**Charging Time Setting**  
Freely set the charging time and duration

**Remote Control by APP**  
Start or stop charging via Bluetooth

### AR-EVC20-BC-APP

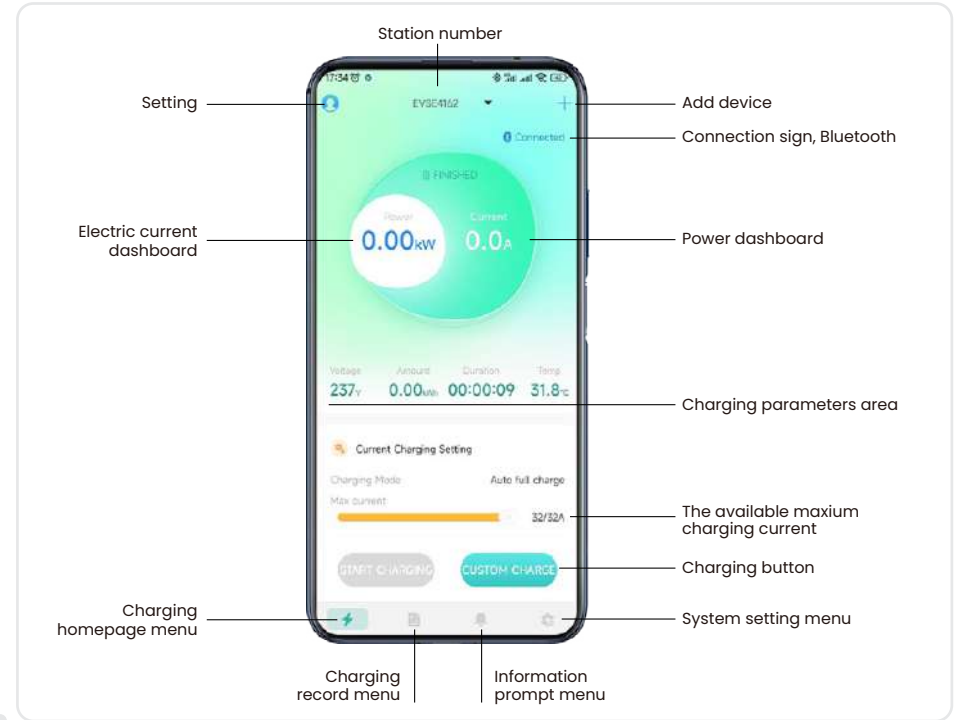
**Charging History Record**  
Query charging history anytime, anywhere

**Firmware Update**  
Make app version upgrades

### OUR PRODUCT MODELS

<b>1</b> AR-EVC20-BA-APP	3.6KW	16A Single Phase	<b>5</b> AR-EVC20-BC-APP	3.6KW	16A Single Phase
<b>2</b> AR-EVC20-BA-APP	7.2KW	32A Single Phase	<b>6</b> AR-EVC20-BC-APP	7.2KW	32A Single Phase
<b>3</b> AR-EVC20-BA-APP	11KW	16A Three Phase	<b>7</b> AR-EVC20-BC-APP	11KW	16A Three Phase
<b>4</b> AR-EVC20-BA-APP	22KW	32A Three Phase	<b>8</b> AR-EVC20-BC-APP	22KW	32A Three Phase

# Product Details APP VERSION



### Model AR-EVC20-APP

Input & Output	
Input voltage/Output voltage	AC 230V/400V
Input frequency	47~63Hz
Max. output power	7.6kW(1 Phase)/22kW(3 Phase)
Max. output current	32A
Charging interface type	IEC 62196-2, SAE J1772

Working environment	
IP rating	IP66
Environment temperature	-40°C~+75°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

Mechanical	
Dimension (L/W/D)	295/195/65mm
Weight	6KG-8KG

Certificate	
Certificate	CE, RoHS, FCC, CSA

Protection	
Over voltage protection	✓
Under voltage protection	✓
Over load protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Lightning protection	✓

Function	
Ethernet/4G/Bluetooth	Optional
LCD	3.5-inch color display
RCD	Type A / type A+6mA DC
LED Indicator light	✓
Current adjusting	✓



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

WALLBOX



# OCPP VERSION

3.6kW / 7.2kW / 11kW / 22kW

OCPP is an open-source communication standard for EV charging stations & network software companies. Simply put, any EV charging station that is OCPP-compliant can be configured to run any similarly OCPP-compliant software.

AR-EVC20-BA-OCPP

AR-EVC20-BC-OCPP

## PRODUCT ADVANTAGES



### Intelligent Chip

non-hardware faults during charging



### Colorful LCD Display

Shows the charging status like charging time, voltage, power consumption etc.



### OCPP Control

OCPP 1.6 Control

Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

# Product Details OCPP VERSION



AR-EVC20-BA-OCPP

AR-EVC20-BC-OCPP

## OUR PRODUCT MODELS

<b>1</b> AR-EVC20-BA-OCPP 3.6KW 16A Single Phase	<b>5</b> AR-EVC20-BC-OCPP 3.6KW 16A Single Phase
<b>2</b> AR-EVC20-BA-OCPP 7.2KW 32A Single Phase	<b>6</b> AR-EVC20-BC-OCPP 7.2KW 32A Single Phase
<b>3</b> AR-EVC20-BA-OCPP 11KW 16A Three Phase	<b>7</b> AR-EVC20-BC-OCPP 11KW 16A Three Phase
<b>4</b> AR-EVC20-BA-OCPP 22KW 32A Three Phase	<b>8</b> AR-EVC20-BC-OCPP 22KW 32A Three Phase



### High compatibility

You could choose different OCPP platform operators.



### Software management

Manage all EV charging hardware in one place



### Payment system

Offer accurate charging data to back end for payment.



### Customization

Support multiple commands that allow you to customize different functions.



## Model AR-EVC20-OCPP

Input & Output	
Input voltage/Output voltage	AC 230V/400V
Input frequency	47~63Hz
Max. output power	7.2kW(1 Phase)/22kW(3 Phase)
Max. output current	32A
Charging interface type	IEC 62196-1, IEC 62196-2

Working environment	
IP rating	IP66
Environment temperature	-30°C~+50°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

Mechanical	
Dimension (L/W/D)	295/195/65mm
Weight	6KG-8KG

Certificate	
Certificate	CE, RoHS,
Protection	
Over voltage protection	✓
Under voltage protection	✓
Over load protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Lightning protection	✓
Function	
Charging protocol-Hub	OCPP 1.6-J
Ethernet & 4G	✓
RFID	✓
LCD	3.5-inch color display
RCD	Type A / type A+6mA DC
LED Indicator light	✓
Current adjusting	✓

Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

WALLBOX






# BASIC VERSION

**Max. Output Power : 8.8kW**

The basic wall-mounted charger is suitable for home use, it is **user-friendly, easy to install, stable in performance** and has complete protection mechanism. It is compatible to/with any electric vehicle. The LCD display can show the detail charging status.

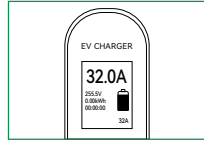
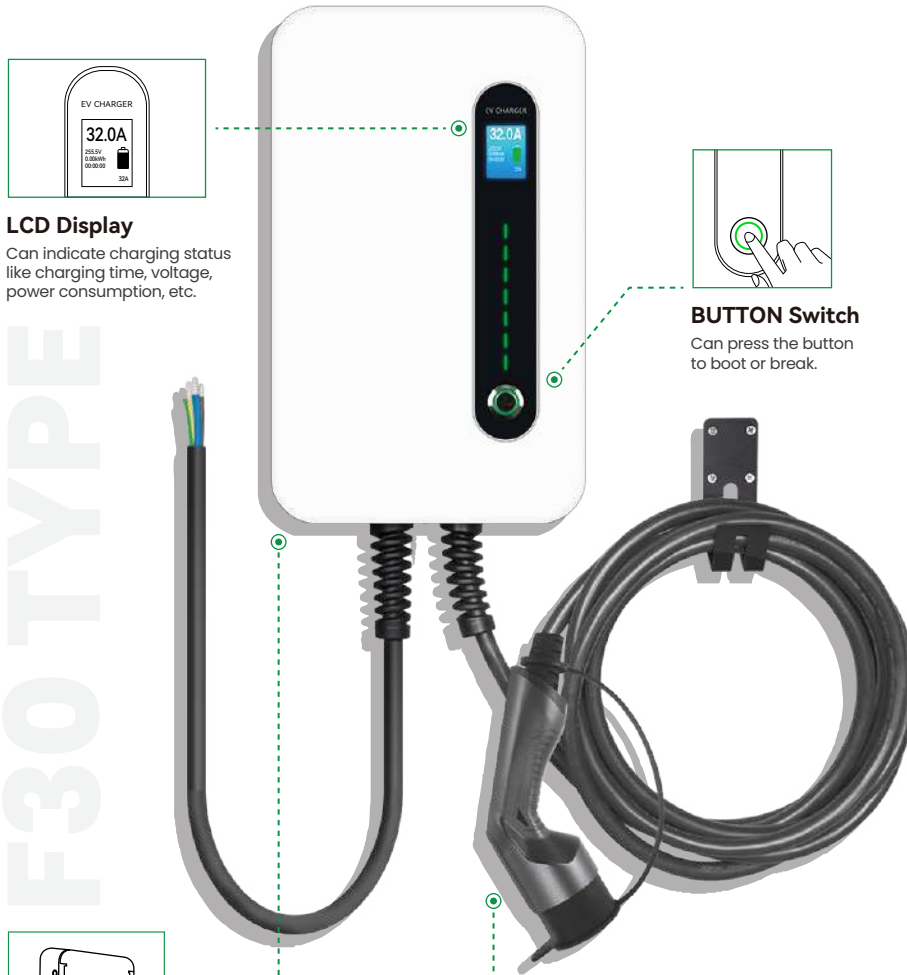
OUR PRODUCT : **AR-EVC-F30**

## PRODUCT ADVANTAGES

-  **High Quality**  
Waterproof and dustproof IP66.
-  **Colorful LCD Display**  
Shows the charging status like charging time, voltage, power consumption etc.
-  **Fast Charging**  
Up to 40A output current.

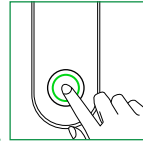


# Product Details F30 VERSION



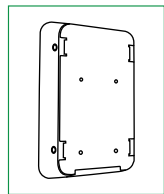
### LCD Display

Can indicate charging status like charging time, voltage, power consumption, etc.



### BUTTON Switch

Can press the button to boot or break.



### Back Image

Desireable properties of both materials, superior strength and heat resistance of PC and flexibility of ABS

### TYPE 1 PLUG



### TYPE 2 PLUG



### High Compatibility

Fitting 99.5% EVs , 100% correctly & effectively.

### Safety Protection

Provide full and complete protection while charging.

### IP66 Waterproof

Can maintain normal use even in extreme weather.

Every electric vehicle owner has a charging station installed at home for daily use. When they choose home charging stations, below are their benefits:



### EASY TO INSTALL

No need for complicated installation tools.



### HIGH SECURITY

Protection mechanism and local quality certification.



### SIMPLE TO OPERATE

Time will not be wasted on figuring out various function.



### STRONG STABILITY

simple minor faults can be easily repaired after restarting.



### HIGH COMPATIBILITY

Capable to identify various EV models and support the charging settings on different vehicle.

## Model AR-EVC-F30

Input & Output	
Input voltage/Output voltage	100 ~ 250V AC
Input frequency	47~63Hz
Max. output power	8.8 KW
Max. output current	40A
Charging interface type	IEC 62196-2, SAE J1772

Working environment	
IP rating	IP66
Environment temperature	-40°C~+75°C
Relative humidity	0-95% non-condensing
Maximum altitude	<2000m
Cooling	Natural air cooling
Standby power consumption	<8W

Mechanical	
Dimension (L/W/D)	330/200/75mm
Weight	6KG

Certificate	
Certificate	CE, RoHS, FCC, CSA

Protection	
Over voltage protection	✓
Under voltage protection	✓
Over load protection	✓
Short circuit protection	✓
Earth leakage protection	✓
Over-temp protection	✓
Lightning protection	✓

Function	
Ethernet/Wifi/4G/Bluetooth	NO
LCD	3.5-inch color display
RCD	Type A
LED Indicator light	✓
Current adjusting	✓

# EV CHARGING ACCESSORIES

EV charging accessories are important parts of EV charging and Electric vehicle. Mainly including EV charging plug, EV charging socket, EV plug holder.

Our EV Charging Accessories include high-quality plugs, cables, sockets, and connectors, all designed to enhance the safety, efficiency, and convenience of your charging experience. Customization under request is also acceptable.



**Versatile  
Product**



**Cost  
Effective**



**Easy  
To Use**

**PLUG**

**CABLE**

**SOCKET**

**CONNECTOR**



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

# EV CHARGING PLUG

AR-EVP001-L

**TYPE 1 / SAE J1772**  
PLUG AMERICAN STANDARD

The plug adopts advanced crimping technology that can make the pins difficult to get loosened. Pins can be used for more than 20,000 times and are silver plated and have good conductivity, not easy to be overheated, providing a safer option for user. The handle is ergonomically designed for easy & comfortable grip.



## PRODUCT ADVANTAGES



**Customizable**

Customizable color and logo.



**Great water-proof**

Suitable for all weather conditions.



**Solid Material**

Service life is more than 20,000 times.



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector



# EV CHARGING PLUG

AR-EVP001-F

**1/3 Phase**

**TYPE 2 / IEC 62196-2**  
 FEMALE PLUG EUROPEAN STANDARD

The plug adopts advanced crimping technology that can make the pins difficult to get loosened. Pins can be used for more than 20,000 times and are silver plated and have good conductivity, not easy to be overheated, providing a safer option for user. The handle is ergonomically designed for easy & comfortable grip.

## PRODUCT ADVANTAGES



**Customizable**  
 Customizable color and logo.



**Great water-proof**  
 Suitable for all weather conditions.



**Solid Material**  
 Service life is more than 20,000 times.



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

**ARAKAWA**  
HEAVY DUTY ELECTRICAL CHARGER  
ヘビードューティー エレクトリカル チャージャー

# EV CHARGING PLUG

AR-EVP001-M

## 1/3 Phase

**TYPE 2 / IEC 62196-2**  
MALE PLUG EUROPEAN STANDARD

The plug adopts advanced crimping technology that can make the pins difficult to get loosened. Pins can be used for more than 20,000 times and are silver plated and have good conductivity, not easy to be overheated, providing a safer option for user. The handle is ergonomically designed for easy & comfortable grip.

### PRODUCT ADVANTAGES



**Customizable**

Customizable color and logo.



**Great water-proof**

Suitable for all weather conditions.



**Solid Material**

Service life is more than 20,000 times.



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

# EV CHARGING PLUG + CABLE



**TYPE 1 : SAE J1772 2017**  
NORTH AMERICAN STANDARD

**TYPE 2 : IEC 62196-2**  
MENNEKES EUROPEAN STANDARD

This EV charging with plug works with a wide range of wall-mounted charging station with cable. Pins in the plug can be used for more than 20,000 times and are silver plated and have good conductivity, not easy to be overheated, providing a safer option for users.

## PRODUCT ADVANTAGES



**Customizable**

Customizable color, length & logo.



**Great water-proof**

Suitable for all weather conditions.



**Solid Material**

Service life is more than 20,000 times.

## OUR PRODUCTS

**AR-EVP001-L+Wire**

- 16A Single Phase
- 32A Single Phase

**AR-EVP001-F+Wire**

- 16A Single Phase
- 16A Three Phase
- 32A Single Phase
- 32A Three Phase



## Product Details CABLE + PLUG



Type 1 / SAE J1772 Plug



Type 2 / IEC 62196-2  
Female Plug



TPU/TPE Cable

- Uniquely designed plug terminals with self-cleaning function to prevent electric sparks.
- Silver-plated plug terminals with good conductivity to prevent over-heating.
- Detection and control of inner temperature to ensure charging safety.
- Integrated plug design with excellent waterproof performance to support outdoor use.
- Solid plug structure can withstand the rolling of a vehicle.

### Open end / Tethered EV Charging Cable

Input & Output	
Current	16A/32A
Voltage	AC 230V/400V
Contact Pin	Copper alloy, silver plated
Vibration Resistance	Meet JDQ53.3 requirements
Charging Standard	IEC 62196-2, SAE J1772

Working environment	
Withstand Voltage	2000V
Working Temperature	-25°C~55°C
Insulation Resistance	>1000MΩ
Terminal Temperature Rise	<50K
Service Life	>10000 times

Certificate	
Certificate	CE, RoHS

Mechanical	
Color	Black (standard)
Cable / Cord / Wire	Straight / Coiled
Plug Material	ABS+PC Alloy
Cable Material	TPE/TPU

Customization options	
Cable length	✓
Cable color	✓
Plug color	✓
Logo printing	✓

Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

# EV CHARGING SOCKET

AR-EVSC001

**TYPE 1 / SAE J1772**  
SOCKET AMERICAN STANDARD

The socket is an ideal option for Type 1 car manufacturers with solid shell and good quality. Pins in the socket can be used for more than 20,000 times and are silver plated and have good conductivity, not easy to be overheated, providing a safer option for users.

## PRODUCT PARAMETERS

### INPUT & OUTPUT



Rated current : 16A/32A  
Working voltage : 120V~250V AC  
Insulation resistance : >1000M Ω

### WORKING ENVIRONMENT



Terminal temperature rise : <50K  
Withstand voltage : 2000V  
Contact impedance : 0.5 Ω Max  
Working temperature : -30°C ~+ 50°C

### MATERIALS



Shell material : Thermo Plastic  
Contact pin : Copper alloy, silver or nickel plating  
Sealing gasket : rubber or silicon rubber



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

SOCKET



# EV CHARGING SOCKET

AR-EVSC003

**1/3 Phase**

**TYPE 2 / IEC 62196-2**  
SOCKET/OUTLET EUROPEAN STANDARD

The socket is an ideal option for Type 2 charging station manufacturers with solid shell & good quality. Pins in the socket can be used for more than 20,000 times and are silver plated and have good conductivity, not easy to be overheated, providing a safer option for users.



## PRODUCT PARAMETERS

### INPUT & OUTPUT



Rated current : 16A/32A 1/3 phase  
Working voltage : 240V AC  
Insulation resistance : >1000M Ω

### WORKING ENVIRONMENT



Terminal temperature rise : <50K  
Withstand voltage : 2000V  
Contact impedance : 0.5 Ω Max  
Working temperature : -30°C ~+ 50°C

### MATERIALS



Shell material : Thermo Plastic  
Contact pin : Copper alloy, silver or nickel plating  
Sealing gasket : rubber or silicon rubber



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

# EV CHARGING SOCKET

AR-EVSC004

## 1/3 Phase

**TYPE 2 / IEC 62196-2**  
SOCKET/INLET EUROPEAN STANDARD

The socket is an ideal option for Type 2 car makers with solid shell & good quality. Pins in the socket can be used for more than 20,000 times and are silver plated and have good conductivity, not easy to be overheated, providing a safer option for users.

### PRODUCT PARAMETERS

#### INPUT & OUTPUT



Rated current : 16A/32A 1/3 phase  
Working voltage : 250V AC  
Insulation resistance : >1000M Ω

#### WORKING ENVIRONMENT



Terminal temperature rise : <50K  
Withstand volatge : 2000V  
Contact impedance : 0.5 Ω Max  
Working temperature : -30°C ~+ 50°C

#### MATERIALS



Shell material : Thermo Plastic  
Contact pin : Copper alloy, silver or nickel plating  
Sealing gasket : rubber or silicon rubber



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

DUMMY SOCKET



# DUMMY SOCKET

**AR-SAE**

**TYPE 1 / SAE J1772**  
DUMMY SOCKET

This dummy socket fits all SAE J1772 Type 1 connectors and mounts. It is high durable material with good waterproof performance. The plug holder keeps your Type 1 EV charger connector away from rain & dust.

## PRODUCT ADVANTAGES



**High Compatibility**  
Compatible with all Type 1 Connectors.



**Great water-proof**  
Suitable for all weather conditions.



**Solid Shell**  
Rugged housing protects the plug.



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

DUMMY SOCKET



**ARAKAWA**  
HEAVY DUTY ELECTRICAL CHARGER  
ヘビードューティー エレクトリカル チャージャー

# DUMMY SOCKET

**AR-DSHM**

**TYPE 1 / SAE J1772**  
DUMMY SOCKET

This dummy socket fits all SAE J1772 Type 1 connectors and mounts. It is high durable material with good waterproof performance. The plug holder keeps your Type 1 EV charger connector away from rain & dust.

## PRODUCT ADVANTAGES



**High Compatibility**  
Compatible with all Type 1 Connectors.



**Great water-proof**  
Suitable for all weather conditions.



**Solid Shell**  
Rugged housing protects the plug.





Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

# DUMMY SOCKET



# DUMMY SOCKET

**AR-IEC**

**TYPE 2 / IEC 62196-2**  
DUMMY SOCKET

This dummy socket fits all IEC62196-2 Type 2 connectors and mounts. It is high durable material with good waterproof performance. The plug holder keeps your Type 2 EV charger connector away from rain & dust.

## PRODUCT ADVANTAGES



**High Compatibility**  
Compatible with all Type 2 Connectors.



**Great water-proof**  
Suitable for all weather conditions.



**Solid Shell**  
Rugged housing protects the plug.



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

DUMMY SOCKET



**ARAKAWA**  
HEAVY DUTY ELECTRICAL CHARGER  
ヘビードューティー エレクトリカル チャージャー

# DUMMY SOCKET

**AR-IECB**

**TYPE 2 / IEC 62196-2**  
DUMMY SOCKET

This dummy socket fits all IEC62196-2 Type 2 connectors and mounts. It is high durable material with good waterproof performance. The plug holder is especially designed for keeping your Type 2 EV charger connector away from rain & dust.

## PRODUCT ADVANTAGES



**High Compatibility**  
Compatible with all Type 2 Connectors.



**Great water-proof**  
Suitable for all weather conditions.



**Solid Shell**  
Rugged housing protects the plug.



Portable  
Ev Charger

Ev Charging  
Cable

Ev Charging  
Station

Accessories  
Connector

DUMMY SOCKET



**ARAKAWA**  
HEAVY DUTY ELECTRICAL CHARGER  
ヘビードューティー エレクトリカル チャージャー

# DUMMY SOCKET

**AR-DSHO**

**TYPE 2 / IEC 62196-2**  
DUMMY SOCKET

This dummy socket fits all IEC62196-2 Type 2 connectors and mounts. It is high durable material with good waterproof performance. The plug holder is especially designed for keeping your Type 2 EV charger connector away from rain & dust.

## PRODUCT ADVANTAGES



**High Compatibility**  
Compatible with all Type 2 Connectors.



**Great water-proof**  
Suitable for all weather conditions.



**Solid Shell**  
Rugged housing protects the plug.





CONNECTOR

# EV CHARGING CONNECTOR

AR-EVSP005

TYPE 1 TO TYPE 2 ADAPTOR  
EUROPEAN & AMERICAN STANDARDS

This EV Type 1 to Type 2 charging adaptor is suitable for Type 2 EV's charging, light weight makes it easy to carry.

## PRODUCT ADVANTAGES



**Adaptive Current**  
16A/32A



**Great water-proof**  
Suitable for all weather conditions.



**Solid Material**  
Service life is more than 20.000 times.



# INDOTARA®

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