

# KW03 Series (EV Charging and Discharging Connector)

## EV Charging and Discharging System Connector



KW03 series will no longer be available for sale in the US to comply with the US federal law “TSCA (Toxic Substances Control Act)”.

For sales in the US, please recommend [KW03C](#) series as an alternative.

Sales in other countries are possible. However, please confirm that there is no export to the US in the trade flow.

KW03 Series is an electric vehicle (EV) cable connector developed for medium-speed charging infrastructure and V2G (Vehicle-2-Grid) system. This product was designed with ease of operation and safety in mind as it is to be used by the general public

The grip has been ergonomically designed for ease of handling with an intuitive single-action operation. Weather and flammability resistant resin used for the outer shell provides a highly reliable and environmentally resistant connector, while allowing for it to remain light and durable. In accordance with the widespread use of CHAdeMO specifications, this product have acquired world-wide safety standards, CE certified and UL recognized.

## Features

- Compliant with CHAdeMO standard
- Compliant with the Electric Vehicle Charging and Discharging System Guidelines (EVPS-002)
- Use of highly reliable materials which are tough against various environmental conditions
- Grip design for ergonomic operation
- World-wide authentication: UL Recognized and CE compliant products

## Applications

Electric Vehicle Charging and Discharging System (CHAdeMO protocol)

Medium-Capacity Quick charger for EV (CHAdeMO protocol)

## General Specifications

<b>Number of Contacts</b>	Power: 2 pos. 12 V Power : 1 pos. GND: 1 pos. Signal: 6 pos.
<b>Rated Current</b>	Power: 80 A, 12 V Power: 6.4 A, Signal: 2 A

<b>Rated Voltage</b>	DC 500 V
<b>Insulation Resistance</b>	100 megohm min.
<b>Dielectric Withstanding Voltage</b>	AC 3000 V/1 minute
<b>Durability</b>	10000 times
<b>Insertion Force</b>	100 N max.
<b>Operating Temperature Range</b>	-30 deg. C to +50 deg. C

#### **Notice**

1. The values specified in this web site are only for reference. The products and their specifications are subject to change without notice.  
Contact our sales staff for further information before considering or ordering any of our products.  
For purchase, a product specification must be agreed upon.
2. Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry. Also contact us regarding the details of use, usage, specification before considering or ordering any of our products.
3. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.