

# DW Series (High-Current Connector)

## High-Current Connector

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Along with the expansion of green energy such as solar power generation, in order to stabilize current for electric power stations and to respond to the peak cut and shift in offices and HEMS at home for power-saving, the usage of storage battery system to store electricity temporarily is increasing in a proactive manner.

Recently, the lithium ion type storage battery is increasing for storage systems, so to add to the power supply type, we have proposed a rack and panel type complex connector with a signal contact to check the condition of cell in consideration of the character which every cell has some variation in the amount of accumulation of electricity.

The DW Series connector could reduce manufacturing work time for customers and it is available in four kinds of product lineup including cable type for small-scale storage.

## Features

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- Conformed to UL approved.
- Electrification countermeasure

## Applications

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Storage battery system related equipments, electric power units, PCS (Power conditioner), equipment industries such as semiconductor manufacturing

## Documents

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### — Catalog

- [DW1 Series](#)
- [DW2 Series](#)
- [DW3 Series](#)
- [DW4 Series](#)
- [Industrial Connectors Selection Guides](#)

## General Specifications

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<b>Type</b>	DW1: Rack-and-panel structure, DW2: Rack-and-panel structure, DW3: Rack-and-panel structure, DW4: Board-to-cable
<b>Number of Contacts</b>	DW1: 2pos. (Power), 20pos. (Signal), DW2: 2pos. (Power), 20pos. (Signal), DW3: 2pos. (Power), 24pos. (Signal), DW4: 1pin
<b>Rated Current</b>	DW1: 500A (Power), 2A (Signal), DW2: 200A (Power), 2A (Signal), DW3: 150A (Power), 2A (Signal), DW4: 100A
<b>Rated Voltage</b>	DW1: 600V (Power) (Note1), 100V (Signal), DW2: 600V (Power) (Note1), 100V (Signal), DW3: 600V (Power) (Note1), 100V (Signal), DW4: 600V (Note1)
<b>Contact Resistance (Initial)</b>	DW1: 0.2milliohm max. (Power), 20milliohm max. (Signal), DW2: 0.2milliohm max. (Power), 20milliohm max. (Signal), DW3: 0.3milliohm max. (Power), 20milliohm max. (Signal), DW4: 0.3milliohm max.
<b>Durability Mating Cycles</b>	DW1: 20times, DW2: 100times, DW3: 100times, DW4: 100times
<b>Operating Temperature Range</b>	DW1: -40 deg. C to +95 deg. C, DW2: -25 deg. C to +115 deg. C, DW3: -25 deg. C to +105 deg. C, DW4: -40 deg. C to +85 deg. C
<b>(Note 1)</b>	Please contact us when considering use in usage environments that exceed 600 V.

#### 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. 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.
3. The products presented in this web site are designed for the uses recommended below.  
We strongly suggest you contact our sales staff when considering use of any of the products in any other way than the recommended applications or for a specific use that requires an extremely high reliability.

(1) Applications that require consultation:

\* Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as:

Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster evention equipment, etc.

\* We may separately give you our support with a quality assurance program that you specify, when you think of a use such as :

Aviation or space equipment, submarine repeaters, nuclear power control systems, medical equipment for life support, etc.

(2) Recommended applications include:

\* Computers, office appliances, telecommunications devices (terminals, mobile units), measuring equipment, audiovisual equipment, home electric appliances, factory automation equipment, etc