

# **Guidelines for EV Charging Connectors (VCPN Series)**



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Type	Item No.	Rated Current	Rated Voltage
AC Charging Connectors	VCPN2A032A0	32A	240V AC
	VCPN2A050A0	50A	
	VCPN2A080A0	80A	
DC Charging Connectors	VCPNXD080A0	16A	1000V DC
	VCPNXD200A0	200A	
	VCPNXD250A0	250A	
	VCPNXD350A0	350A	

**Warning: Failure to comply with the rules below may cause death or serious injury due to fire or electric shock.**

**The product is only for charging use.**

Functions and safety will not be ensured if using in other application.

**Don't disassemble, repair or modify the product.**

It may cause fire, electric shock or injury.

**Don't use the product at a current or voltage higher than the rating specified.**

It may cause fire or electric shock or injury.

Please confirm the rating value on product marking first.

**Don't injure the cable or don't use the product with an injured cable.**

Injured cable may have the broken insulation that may lead to destroy the cable, fire or electric shock. Especially don't use twisted cables or it may be injured or broken after several times.

—Don't let the cable to be caught by a vehicle door, charging station, outer wall or other objects.

—Don't drive over the cable with tires and don't put any heavy thing on the connector.

—Don't flap down or rub the cable against the ground.

—Don't pull, twist or bend the cable by force.

—Don't place the cable near heating apparatus or don't heat it.

Restore the damaged or twisted cable to the normal state before and after using the connector.

**When you feel something strange or the housing is injured, immediately stop charging.**

It may cause fire, electric shock or injury.

If you have heard a strange sound or felt a strange smell, stop charging immediately. Don't use the connector afterward.

**Stop charging when you hear a clap of thunder.**

Don't touch the connector during thunder even if charging is in progress, or a lightning stroke may cause electric shock.

**Don't pull out the connector or drag the cable by force during charging.**

It may cause fire, electric shock or break down.

**Don't pour water or liquid on the product.**

The entering water or liquid may cause fire or electric shock.

Pouring water on the housing surface may cause electric shock or a short circuit.

**Don't touch the inside of the housing or insert any thin stick into it.**

It may cause electric shock.

**Keep the product away from fire.**

It may cause fire.

**Don't exert an impact to the product during charging.**

It may cause fire or electric shock.

When the product is injured, stop charging immediately and don't use the product afterward.

**Don't trample or drive over the product.**

It may cause fire, electric shock or human injury due to damaged product.

**Don't drop the product.**

Dropping or impacting the product strongly may cause break down or breakage, which in turn result in fire, electric shock or injury.

Don't use the product afterward after dropping it into a water pool.

**Don't step on, put something on or lean on the charging connector.**

It may cause fire, electric shock or injury due to deformation or breakage.

**Don't swing around or throw the connector.**

It may cause human injury due to damaged connector.

**Don't put any foreign objects into the housing.**

It may cause fire, electric shock or break down.

Please confirm that the housing contains no foreign object before using connector.

**Keep out of reach of children; don't let children use the product alone.**

It may cause fire, electric shock or injury.

**Don't extend the cable by connecting with any other cables.**

Electric leakage from joint between cables may cause fire or electric shock.

**Don't drive the car when the charging connector is still inserted.**

It may cause accident.

**Power off the product when you maintain it.**

Failure to comply with it may cause electric shock or injury.

**Don't touch the terminals or other current-carrying parts when your hands are wet.**

It may cause electric shock or injury.

**Use the product at an ambient temperature of -30°C to +50°C.**

Using the product at a too high or too low temperature may cause connector break down. Cable will become harder at a low ambient temperature and it's difficult to bend cable. Product surface will be heated by high ambient temperature so must be careful to handle it.

**Store the product at an ambient temperature of -40°C to +70°C.**

Storing product at temperature out of the range may cause the connector break down.

**Put away the connector to the original place after charging.**

Failure to comply with it may cause break down, damage or accident. Please maintain it carefully. Fit on the cap if the product contains a cap.

**Be careful when touching the charging connector under the scorching sun or in cold weather.**

The surface of connector may become so hot or cold that product could cause burn or frozen bite.

**Ensure that connector is inserted to inlet straightly.**

Inserting connector in improper direction by force may cause scratch, breakage on gasket or gasket turn-up.

**Federal Communication Commission Interference Statement**

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### **RF Exposure Statements**

This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

### **Canada, Industry Canada (IC) Notices**

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est

conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.