

Type 1/SAE-J1772

Portable EV Charger Manual



Feature

charging plug meet SAE J1772 standard.

Control box meet IEC 61851 control principle.

Excellent protection performance, protection grade IP65-Working condition.

Operating temperature:-20℃ to+50℃.

Mechanical Properties

Mechanical life: no-load plug in/pull out>10000times

- Impact of external force: can afford 1m drop and 2T vehicle run over pressure

Electric Performance

Rated voltage and current: 90Vto264V AC 8A 10A 13A 16A 25A 32A

- Insulation Resistance:>1000MD (DC500V)
- Terminal Temperature Rise:< 50K

Control Box Function

Leakage protection (restart recover).

- Over voltage under-voltage protection (self-checking recover).
- Lightning protection.
- Over current protection.
- Overheat protection.

Charger Cord

Specification:3G6mm²+2*0.5mm²

Meets Standards

SAE J1772

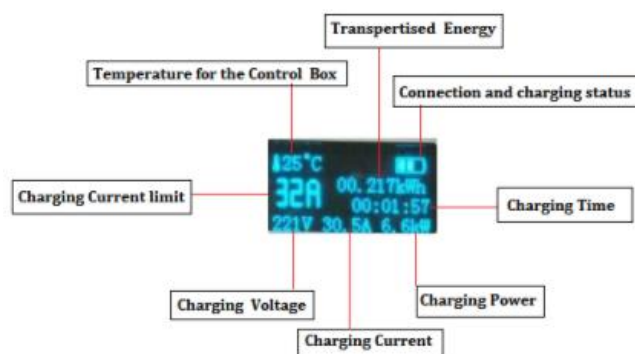
Cautions

- DO not step on the cable, do not pull it, do not fold it up and do not knot it.
- DO not drop the control unit or put heavy things on it.
- DO not place the charging cable near high-temperature objects.
- DO not place the unit in the car or in a closed room while charging.
- DO not use the device in extreme temperatures (normal operating range (-20℃ to+50℃).
- The power supply input cable should have at least 3G6mm², With a standard CEE jack. It is proposed to complete the distribution of electricity by professionals.
- Make sure that the charging plug, the cable and the control box are free from any signs of Scratches, rust, cracks, etc.
- DO not charge if the power outlet is damaged, rusted, cracked or loosely connected.
- Before charging, make sure the power plug and outlet are compatible.
- The Green Power LED indicator is always on when the battery is fully charged.

Warnings

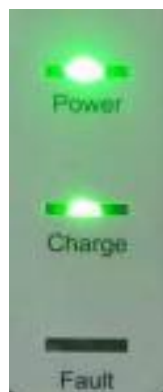
- Use only on the mains with fault current circuit breaker.
- DO not use this product if the EV charging cable is damaged.
- For use with EV charging only.
- The product must be grounded.
- DO not use this unit with an extension cord or adapter.
- DO not insert any fingers into the charging plug.
- The unit contains no user serviceable parts. DO not try to repair or service the device yourself.
- If the unit does not work properly in accordance with the operating instructions, do not use this unit. Contact your dealer for a repair or replacement.
- Use the product under normal away from high temperature erosive materials or ignition source.
- DO not contact metal conductor to prevent electric shock accident.
- Product shell is made of thermoplastic, please do not pound it to avoid reducing performances.

Led Screen Description:






For the Connection and charging status:

1. Waiting for connection
2. Charging
3. Charging Full












Touch current adjustable function

Current adjustment: 8A 10A 13A 16A 25A 32A adjustment, touch switch can be switched

| | |
|---|---|
|  | While waiting for charging, LED1 and LED2 light up green at the same time, you can touch "A" to adjust the current. |
|  | During normal charging, LED1 is always on and LED2 is blinking, you cannot touch "A" to adjust the current. |
|  | After the charging is completed, LED1 is always on. When the charging plug and the vehicle charging socket are connected, do not touch "A" to adjust the current. |

LED Indicator Status Description

| Condition | POWER | | CHARGER | | FAULT | | Remark |
|-----------|--------------|---|--------------|---|------------------------------------|---|-----------------------------------|
| 1 | Bright(0.5s) | ● | Bright(0.5s) | ● | Bright(0.5s) | ● | Initial mode |
| 2 | On | ● | On | ● | Off | ○ | Waiting for charging |
| 3 | On | ● | Flash/1s | ● | Off | ○ | Normal working mode |
| 4 | On | ● | Off | ○ | Off | ○ | Charge complete |
| 5 | On | ● | Off | ○ | Fault (0.5s on 0.5s off) 1 time | ● | Circuit Board Overheat protection |
| 6 | On | ● | Off | ○ | Fault (0.5s on 0.5s off) 2 time | ● | Undervoltage Protection |
| 7 | On | ● | Off | ○ | Fault (0.5s on 0.5s off) 3 time | ● | Overvoltage Protection |
| 8 | On | ● | Off | ○ | Fault (0.5s on 0.5s off) 4 time | ● | Ungrounded Protection |

| | | | | |
|----|--|---|--|------------------------|
| 9 | On  | Off  | Fault (0.5s on 0.5s off) 5 time  | Overcurrent Protection |
| 10 | On  | Off  | Fault (0.5s on 0.5s off) 7 time  | Leakage Protection |
| 11 | On  | Off  | Fault (0.5s on 0.5s off) 9 time  | Communication Fail |

When the red light flickers:

1. One times 0.5s on, 0.5s off :Circuit Board Overheat Protection;
2. Two times 0.5s on, 0.5s off :Under voltage Protection;
3. Three times 0.5s on, 0.5s off :Overvoltage ;
4. Four times 0.5s on, 0.5s off :Undergrounded Protection;
5. Five times 0.5s on, 0.5s off :Overcurrent Protection;
6. Seven times 0.5s on, 0.5s off :Leakage Protection;
7. Nine times 0.5s on, 0.5s off :Communication Fail;

Charge

1. Check the power distribution cable for damage before powering up.
2. Plug the mains plug into the socket.
3. Make sure that the power outlet complies with national standards and that the socket is CEE.
4. Plug the vehicle plug into the socket of your vehicle.
5. Make sure that the vehicle connector is fully inserted until it clicks into place.
6. The charger works automatically, the power lights on and the Charger light flash/1s.



Waiting for charging



Charge complete

1. Disconnect the plug.
2. Disconnect the charging cable.
3. Cover the connector cover to you plug.
4. Insert the charging cable into the carrying case.

Warranty:

Damage caused for the following reasons is not covered by the warranty:

1. Improper handling, installation, use and maintenance by the user.
2. Product falls into the water.

This warranty is for the original purchaser only and is NOT transferable.