

# Portable EV Charger Manual



Technical parameter	
Model	FE-AM2-16 <input type="checkbox"/> FE-AM2-13 <input type="checkbox"/> FE-AM2-10 <input type="checkbox"/> FE-AM2-8 <input type="checkbox"/>
Current	<input type="checkbox"/> 16A <input type="checkbox"/> 13A <input type="checkbox"/> 10A <input type="checkbox"/> 8A
Voltage	250V
Plug model	<input type="checkbox"/> Schuko plug <input type="checkbox"/> UK plug <input type="checkbox"/> Australian plug
Frequency	50/60Hz
RCD(Optional)	<input type="checkbox"/> TypeA <input type="checkbox"/> TypeA+DC 6mA
User interface	LED indicator + LCD display(0.96 inch)
Standard	EN 62752:2016+A1:2020, IEC 51643:1995+A1:2004+A2:2005 EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019 EN 61000-4-2:2009, EN IEC 61000-4-3:2020, EN 61000-4-4:2012, EN 61000-4-5:2014+A1:2017, EN 61000-4-6:2014/AC:2015,
Charging interface	Type2+5M cable or custom cable lengths
Cable specification	<input type="checkbox"/> 3G2.5mm <sup>2</sup> +2*0.5mm <sup>2</sup> <input type="checkbox"/> 3G2.5mm <sup>2</sup> +1*0.75mm <sup>2</sup>
Degree of protection	Charging gun: IP55, charging station: IP65
Operating temperature	-20℃ to 50℃

## Product performance

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

## 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

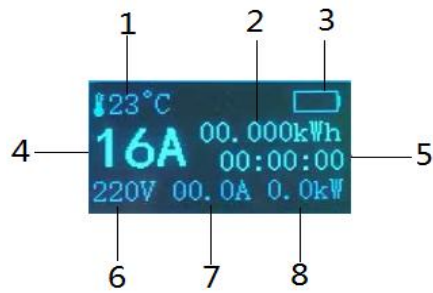
## Cautions

- . 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°C to +50°C)).
- . The power input cable shall be consistent with the output cable, with standard plug. It is recommended that the power distribution be completed 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 reference only)



























1	Temperatur for the Control BOX	5	Charging Time
2	Transpertised Energy	6	Charging Voltage
3	Connection and charging status	7	Charging Current
4	Charging current limit	8	Charging Power










## For the Connection and charging status:

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



## 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
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.

### For reference only:



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.