



# 1-Phase AC EV Portable Charger



## Quick Installation Guide

DK-1P16-A-050BL



*Please read this manual carefully before installation and use, otherwise, it may interfere with the normal use of the equipment and even risk causing personal injury.*

## **1. Safety and Points for Attention**

### **1.1. Installation**

- It shall be installed in the place without violent vibration and impact and placed vertically to facilitate ventilation. It shall be installed on noncombustible materials such as metal, or there is a risk of fire.
- Use only on the mains with fault current circuit breaker.

### **1.2. Maintenance**

- It is recommended that routine safety inspection on the charger to be conducted at least once a week.
- Please do not attempt to disassemble, repair, or modify the charger by yourself. If there is a need for maintenance or modification, please contact certified Electrician/Installers. Improper operation may cause damage to the equipment.
- Do not put inflammable, explosive, or combustible materials, chemicals, combustible steam, and other dangerous goods near the charging station, otherwise there is a risk of fire.
- Please keep the charging adapter clean and dry and wipe with a clean, dry cloth if soiled. Do not touch the charging station with your hand when charged.

### **1.3. Operation**

- Strictly forbidden for Children or persons of restricted capacity to approach the charging device to avoid injury.
- Forced charging is strictly forbidden when the electric vehicle fails.
- Electric vehicle can only be charged with the engine is off and stationary. Do not charge in rainy and thunderous weather.
- It is strictly prohibited to use the charger when the charging adapter or charging cables are defective, cracked, worn, broken or the charging cables is exposed. If you find any, please contact the supplier in time.
- In case of rain or thunder, please charge with care.
- 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 Blue LED indicator is always on when the battery is fully charged.
- DO not use the device in extreme temperatures outside the normal operating range.
- 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.

- 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.
- DO not contact metal conductor to prevent electric shock accident.



1.)	Display Screen
2.)	Current Switch button
3.)	Time booking button
4.)	Indicator light
5.)	Power plug
6.)	Charging plug

## 2. Feature

- Compact size design for good portability.
- Charging plug meets IEC 62196-2 standard.
- Charging adapter is with IP55 waterproof rating for outdoor usage.
- EV Charger meets IEC 61851 control principle.
- Long durability: Charging adapter at no-load plug in/pull out > 10000 times.
- High impact of external force resistance.

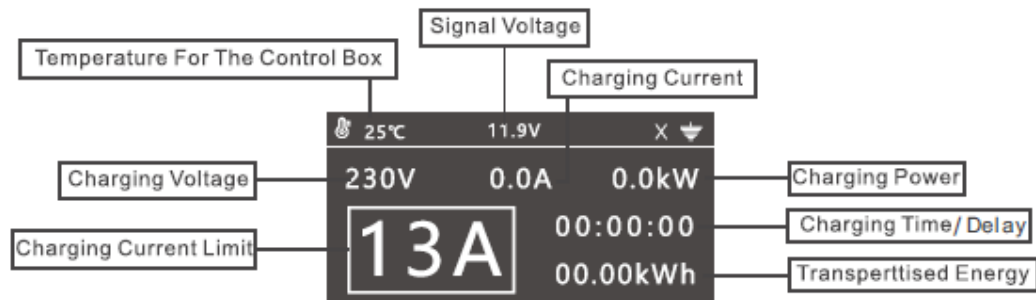
## 3. Package Content

- 1 x AC Portable Charger
- 1 x Bag
- 1 x QIG

#### 4. Technical Specification:

<b>Cable</b>	Type	Straight cable
	Length	5m
	Cable Diameter	3 x 2.5mm <sup>2</sup> +2 x 0.5mm <sup>2</sup>
	Color	Black
<b>Design Standard</b>	Plug	EN 62196-2 Type 2
	Control Box	EN 61851-1
<b>Electric spec</b>	AC Input	Type F, CEE 7/4 Input Cable
	Rated voltage.	250V
	Rated power	3.7kW
	Rated current	8A/10A/13A/16A (adjustable current)
	No. of phase	1-Phase
	Protection	Over voltage protection, Under voltage protection, Over current protection, Over temperature protection
	Residual current protection	RCD 30mA AC
	Terminal temperature rise	≤50K
	LCD Display	Showing charging current, voltage, power, charging time, charging status, Internal temperature
	Standard	EN 61851-1: 2019 EN 62752:2016
<b>Environmental spec</b>	Working temperature	-30°C ~ +50°C
	Working humidity	5% -95% non condensed
	Flammability standard	UL94 V-0
	IP Protection	IP65
<b>Mechanical spec</b>	Insertion life cycles	> 10000 times

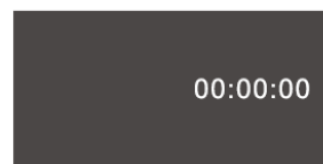
## 5. Led Screen Description:



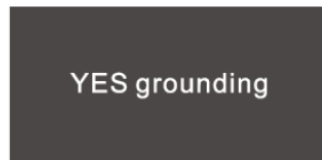
Initial interface



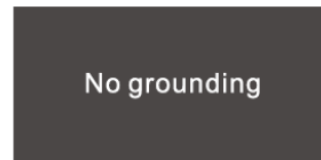
Current  
Click to adjust the power  
8A/10A/13A/16A



Delay  
Click once to add  
1 hour Maximum  
setting 8 hours



GND  
Click to grounding mode  
Long press 3sec the  
Current button to choose



GND  
Click to No grounding mode  
Long press 3sec the Delay  
button to choose

## 6. How to adjust the max current rating

Current adjustment is in the step of 8A,10A, 13A, 16A. Please touch the button “A” on the portable charger to adjust the max current rating to set an upper limitation with following steps:

1. Power on the device with AC Type F, CEE 7/4 connected. It would boot up and wait for connection by showing green indicator light-on. Then you can press the “A” button to adjust the max current rating.
2. After adjustment. Then you can plug the charger to your EV to start the charging.

**The control box can only be touch-switched when it is waiting for connection.**

**During charging process, or when the charging is completed or at the event of failure/error,**

the touch-switch operation is invalid.

**Memory function:** The max current setting is stored in the memory of the device even after power-off.

## 7. LED Indicator Status Description

Working Condition	Light state		
	RED	GREEN	BLUE
Power On (EV Unplugged)	/	Stays On	/
EV Plug connected (Uncharged)	/	Flashing	/
EV Charging Mode	/	/	Flashing
Charging Completed	/	/	Stays On
Communication Error	1 Flash	/	/
Under-voltage protection	2 Flash	/	/
Over-voltage protection	3 Flash	/	/
Ground Fault	4 Flash	/	/
Over current protection	5 Flash	/	/
Power leakage protection	7 Flash	/	/
Over-temperature protection	8 Flash	/	/

Remark: Error Frequency is 0.5S, pause 2S, continuous loop.

### When the Red-light flickers

1. One times 0.5s, 0.5s off: Constant Power (CP) voltage abnormal.
2. Two times 0.5s on, 0.5s off: Input under voltage or abnormal grid frequency.
3. Three times 0.5s on, 0.5s off: Input over voltage or abnormal grid frequency
4. Four times 0.5s on, 0.5s off: The charging box is not grounded or poorly grounded.
5. Five times 0.5s on, 0.5s off: Over current fault during charging.
6. Six times 0.5s on, 0.5s off: There is a leakage problem during charging.
7. Seven times 0.5s on, 0.5s off: Over temperature protection.

## 8. Charging Status Indicator

1. Please check the power cable is without any damage before powering up.
2. Plug the AC Type F, CEE 7/4 plug to the wall socket.
3. Make sure that the power outlet complies with national standards and that the socket can support max 16A. (For long term usage with Type F, CEE 7/4 connection, it is recommended to set max current on the charger at 10A)
4. Plug the Charging adapter into the socket of your electric vehicle.
5. Make sure that the vehicle connector is fully inserted until it clicks into place.
6. The charger works automatically, the BLUE LED light on and flashing.

**When the charging process is complete: BLUE LED stays on.**

1. Disconnect the AC power cord.
2. Disconnect the charging cable from the electric vehicle.

3. Cover the charging plug with its protective cover.

## Declaration

Hereby Assmann Electronic GmbH, declares that the Declaration of Conformity is part of the shipping content.

If the Declaration of Conformity is missing, you can request it by post under the below mentioned manufacturer address.

**[www.assmann.com](http://www.assmann.com)**

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