




MODE 2 EV CHARGER

INSTRUCTION MANUAL

[BS-PCD050/Three Phase]

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|---|---|
| IK10 | IP66 |
|  | RoHS |
|  |  |

LEADING THE EV CHARGING TO A BETTER WAY

B01-0001-0056

PREFACE

Please read carefully before using the device!

This manual should help you:

- To use the product properly
- To avoid damage
- To prevent a hazard

The manufacturer does not assume any liability for damages caused by disregarding these instructions!

PRODUCT DESCRIPTION

EVSE Portable EV Charger

Mode 2 Portable EV Charger

Thank you for your purchase decision!

With this BS-PCD050 mobile charger, you have chosen a solid, extremely compact and versatile product.

The charger has been developed for extreme flexibility, offers you the advantages of charging anywhere where there is alternating current and three-phase current, provided that you have the appropriate socket adapter.

Charging capacity:

3-phase up to 16kW (MAX 24A) / 1-phase up to 7.4kW (MAX 32A)

Used Anywhere

Thanks to the optional adapter kit, you are able to charge your car on any socket:

Adjustable Phase and Power

Thanks to the touch screen, you can select the power phase and adjust the current setting freely.

Time setting

Thanks to the touch screen, you can set charging duration and time delay freely.

Universal Adapter with Automatic Recognition

The charger will automatically recognize the adapter and the current limit accordingly. Thus, it is impossible to set inadvertently too high charging current.

Built-in RCD Type B

This mobile charger has built-in RCD protection device with DC current detection (30 mA AC and 6 mA DC). Therefore an upstream RCD type B is not necessary. If this charger is operated from a power outlet, it must be preceded by a RCD type A, independent of the charger.

Applicable models : This product uses the universal charging interface standard of IEC 62196-2 EU European Standard, It can be adapted to all electric vehicles that meet this charging interface standard. Vehicles models include but are not limited to the following:

Tesla model 3 / model s / model x / BMW i3 / i8 / Porsche / Mercedes ...

Attention: For some models, the product may need to be used together with a car adapter.

Before using this product, please read all the instructions and warnings in this manual and on the product. When using the product, please observe the basic precautions, including the following.

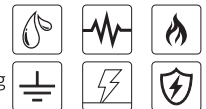
! WARNING

These warnings apply to this product and accessories to reduce the risk of fire, electric shock, and injury.

1. This product is not suitable for people with limited mobility, sensory or psychological disabilities, and is not suitable for people who lack use experience or a certain degree of knowledge (including children), unless they are under the guidance or supervision of a professional person to ensure safety.

2. Please don't use this product as a toy. When used by children or close to children, special attention is required. Please take good care of children to ensure that they will not play with this device as a toy.
3. Please operate the product as the description in the manual .Do not perform any operation guidance provided by non-professionals.
4. Only suitable for use in a dry environment, do not use it in situations where the operating temperature is exceeded.
5. Please do not put fingers into the charging connector when the power plug is still connecting to the power.
6. **If the power cord or plug is damaged, please do not use it. Once it happens, you must contact the service agent or a qualified person to repair to avoid the hazards.**
7. If the product doesn't operated as its design, or it falls from a height, into water, or it is damaged from severely impact, please do not use it to avoid hazards.
8. If any maintenance or repair is needed, please contact the sales service provider in time. Please do not disassemble the device by yourself. Improper disassembling may cause electric shock or fire.
9. Do not pull or stress the power cord. Please keep the power cord away from the heated surface. Please do not put the power cord in the gap of the closed door or pull it out of sharp edges or corners. Please keep the power cord away from walking areas or places where it can easily trip over.
10. When stopping charging and pulling out the plugs from car and wall end, please firstly hold the plug then pull it out. Do not directly pull the power cord.

Safety protection: The product has equipped complete and reliable safety protection, including leakage protection, lightning protection, short circuit protection, overcurrent and overvoltage protection, waterproof and dustproof protection, grounding protection, etc.



WARNING

The charging box is only for EV charging using. Don't submerge the charging box in water. Don't put fingers into the charging connector when the power plug is still connecting to the power. Don't use this device when the box and cable are damaged. Don't operate the charging box in temperatures beyond its operating range of -40 °C to 75 °C.

[NOTE: When connecting 10A power supply, if using the charging box together with (10A to 16A) adaptor, it is prohibited to adjust the charging box to 16A mode to prevent potential damage.]

PERFORMANCE

TECHNICAL SPECIFICATION

This charger has passed all electrical safety performance tests of European Union CE and North American FCC, and CCC product safety certification in China.

TECHNICAL PARAMETERS			
Model	BS-PCD050	Maximum power	16.5KW
Input/Output Voltage	AC 230V/400V	Input/Output Current	1*13A, 1*16A, 1*23A, 1*16A, 1*24A according to socket power
Cable Material	TPU	External Ambient Temperature	-40 C ~ +70 C
Operating Frequency	50HZ	Relative Humidity	5%~95%
Protection Level	IP66	Altitude	<2000M
Intelligent Current Adjustment	YES	Standby Power Consumption	<8W
Standard	EN 62752	Applicable scene	Outdoor/ Indoor
Withstand Voltage	2000V	Insulation Resistance	>10MΩ
Service Life	>10000TIMES	Cooling Mode	Natural Cooling
Shell Material	ABS+PC plastic shell	Tightness	SILICONE RUBBER
Dimension of Charging Box	300mm(L)*86mm(W)*66mm(H)	Weight	7KG
Safety Protection	Over-voltage Protection	Under-Voltage protection	
	Overload protection	Short Circuit protection	
	Leakage Protection	Over temperature protection	
	Lightning protection		
Human-computer interaction	LED Light	Touch panel	

An automatic reduction of the charging current by connecting the adapter is only possible in combination with the original adapters. Never use adapters whose technical suitability is unclear.
 Never unplug by pulling the cable.
 Please keep the power cord away from the heated surface.
 Please do not put the power cord in the gap of the closed door or pull it out of sharp edges or corners.

AFTER-SALE SERVICE

The statutory warranty period of one year shall apply. In the event of incorrect installation, improper use or incorrect connection or connection to incorrectly installed electrical connections and the resultant damage to the product by the purchaser or other technical defects caused by the purchaser, the warranty shall lapse or a reduction in value shall be made. The warranty also expires in the event of any modification or opening of the system by unauthorized person. In case of doubt, consult the manufacturer.

APPLICABLE MODELS

This product can support the following charging interface standards, and can be used in conjunction with corresponding models. Among them, TYPE1 is mainly used in the United States, Canada and Japan. TYPE2 is mainly used in Europe. GB is mainly used in China, Southeast Asia and parts of India. Please do not use the charger if it does not comply with local charging interface standards.



TYPE1 (SAE J1772 North American Standard)

Chevrolet Volt, Citroen C-Zero, Fisker Karma, Ford Focus Electric, Ford C-MaxEnergi, Mia, Mia Electric Van, Mitsubishi-I Miev Mitsubishi Outlander Phev Nissan NV200SE Van, Nissan Leaf, Peugeot Ion, Renault Fluence, Renault Kangoo, Smiths EdisonVan, Smiths Newton, Tata Indica Vista EV, Toyota Prius, Vauxhall Vampra...



TYPE2 (IEC 62196-2 EU European Standard)

Audi A3 e-Trom BMW i3, BMW i8, Chevrolet Spark, Mercedes B Class E-Celi, Mercedes S500 PHEV, Mercedes SLS EV, Mercedes Vito E-Cell Van, Porsche Panameras PHEV, Renault Zoe, Renault Zoe 2013, Volkswagen e-Up, Volkswagen e-Golf, VolvoV60 PHEV...



GB (GB/T 18487 Asia Standard)

Tesla model 3 / model s / model x / BMW i3 / i8 / Porsche / Mercedes...

TIPS

Please read and keep the instruction manual properly. This product is only used to charge Electric Vehicles

OPERATING INSTRUCTION

Non-compliance with the operating instructions can have serious consequences. Manufacturer does not assume any liability for damage caused disregarding operating instructions or other warnings on the device itself.

Attention Attention! High voltage, fire hazard! Never use the device if the housing is damaged or opened!

This product is not suitable for people with limited mobility, sensory or psychological disabilities, and is not suitable for people who lack use experience or a certain degree of knowledge.

Please do not use this product as a toy. Pls. take good care of children to ensure that they will not play with this device as a toy.

Please do not put fingers into the charging connector when the power plug is still connected.

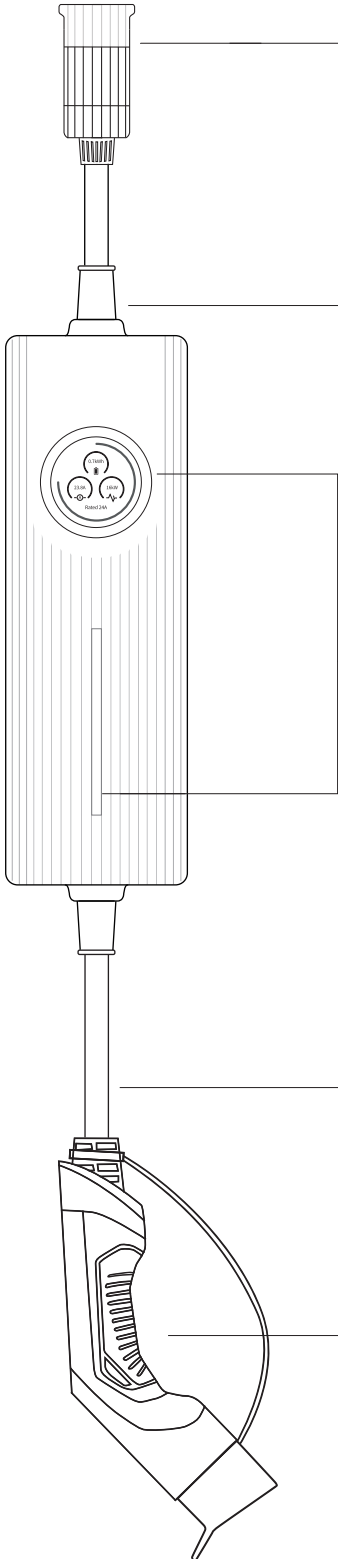
Do not use the charger if the cables attached or connected to the device are damaged.

Never use wet or dirty plugs in conjunction with the charger. Make sure that the connection to which the charger is to be connected has been properly installed and is undamaged. The circuit to which the charger is to be connected must be equipped with a residual current circuit breaker and a circuit breaker.

The charger may only be used for the purpose of charging EV in conjunction with the appropriate adapters and cables.

It's important to observe the maximum permissible charging current of the connection at which you are charging. If you don't know this, charge with the lowest charge current.

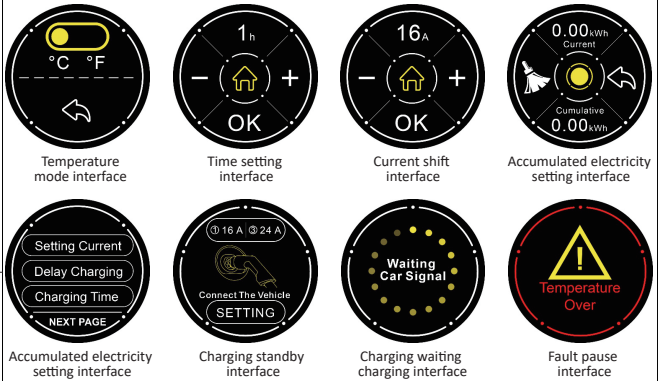
When using adapters, the maximum current for the adapter has to be observed. If this is not known, use the lowest charging current.








Charging box 16KW with universal adapter
 Optional wall mount bracket including screws
 Carry bag

Universal adapter kit:
 -CEE red MAX 16A (three phase) -CEE blue MAX 32A (single phase)
 -CEE black MAX 16A (single phase) -SCHUKO plug MAX 16A
 -CEE red MAX 32A (three phase) -UK plug MAX 13A

LCD status display Showing the current charging status and parameters of the product in real time, including current, voltage, power used, charging time, and temperature. In rare cases, if a fault requiring manual restart is encountered, the display will show the cause of the fault and assist the customer in safe repair. The display uses reinforced plastic, which can withstand unintentional trampling and vehicle rolling.



- ⚠ Please follow the correct steps to charge:**
1. Connect the power plug of the charger to a grounded outlet
 2. Set the charging current, charging time or delay charging
 3. Insert the charger handle into the car charging port
- If you do not follow this correct steps, the charger will not be able to charge the car according to your needs.**


State	Disconnected Mode	Connected Mode	Charging Mode	Finish Mode	Fault Mode
Indicator light	 Light	 Light (Green)	 Rolling (Green)	 Light (Green)	 Flashing (Red)


TPU cable (Thermoplastic Polyurethanes) A new type of environmentally friendly cable that meets the new EN standard. It is a halogen-free material. Compared with other TPE and PVC cables, it is not only more environmentally friendly, but also more resistant to cold and high temperatures. Even used at -40 C outside,, the elasticity and flexibility of the cable can still be maintained, and there will be no situation where the cable becomes stiff in winter and it is difficult to use the product.


The standard CE charging plug (vehicle end) The interface is compatible with all electric vehicles that meet the CE standard. The pins have self-cleaning function and an extinction process to ensure that no electrical sparks are generated during use. The integrated structure is strong and can withstand the rolling of passenger vehicles. The tail is strengthened to deal with daily drag.

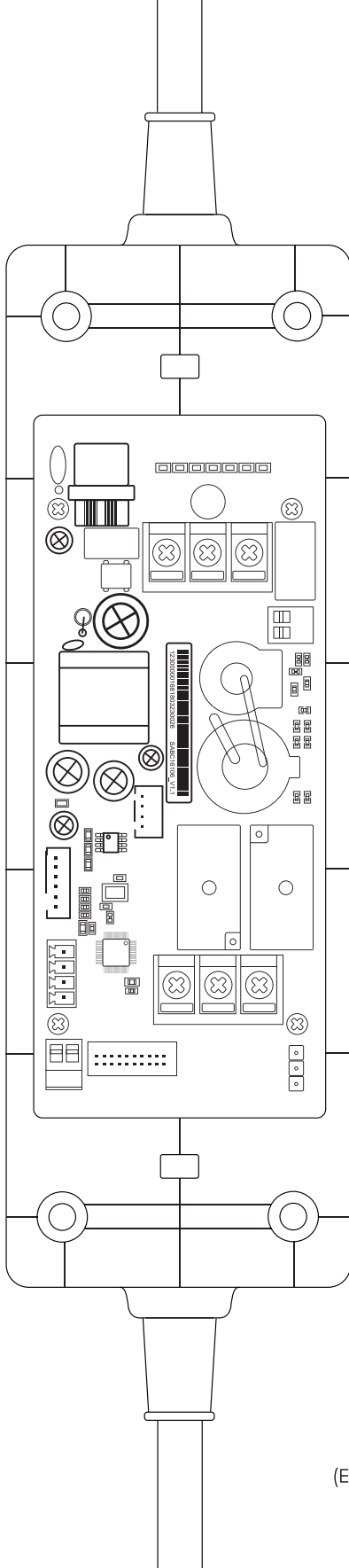
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THREE PHASE EVSE
(ELECTRIC VEHICLE SUPPLY EQUIPMENT)