



BEAM PRODUCT MANUAL



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ABOUT **BEAM**

With the smarter, more user friendly BEAM, Charge Amps introduces the most efficient, reliable and hassle free charging solution to date.

Born in the fusion of technology and design, BEAM is everything you need and want in a charger, made simple and attractive. As it should be.

With the introduction of BEAM, Charge Amps puts the user in full control. Bursting with new and smart technology, in a design that takes charging into the future.



Read Safety precautions before use.

OPERATION

WARNING: Do not use the BEAM for any other purpose than to charge an electric vehicle.

To start charging

1. Connect BEAM to a type 2 outlet on a charging station
2. Make sure the BEAM cable is not creating a coil.
3. Insert the BEAM into the EV.

USER MAINTENANCE

1. The BEAM does not have any user serviceable parts. For any service or maintenance issues please contact your Charge-Amps service representative
2. Cleaning the BEAM shall be done with water and a mild detergent. Ensure that no water enters the electrical connector faces.

MOVING AND STORAGE

1. When transporting the BEAM make sure it is secured to avoid damage.
2. For long time storage, store the BEAM in a dark, dry, cool place.
3. Before first use after transportation, visually inspect the BEAM for damages.



INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR ELECTRIC SHOCK

**IMPORTANT SAFETY INSTRUCTIONS
SAVE THESE INSTRUCTIONS**

WARNING – when using electric products, basic precautions should always be followed, including the following. This manual contains important instructions for the BEAM electric vehicle charger that shall be followed during installation, operation and maintenance of the unit.

General instructions

- a) Read all the instructions before using this product.
- b) This device should be supervised when used around children.
- c) Do not put fingers into the connectors.
- d) Do not use this product if the flexible power cord or EV cable is frayed, has broken insulation, or any other signs of damage.
- e) Do not use this product if the enclosure or EV connector is broken, cracked, or shows any other indication of damage.
- f) Do not use the BEAM in higher ambient temperatures than 45 °C (115 °F).
- g) Do not immerse the BEAM in water or other fluids.

Operation

- a. Stop using the BEAM if a failure or abnormality occurs or the cable is damaged.
- b. Stop using the BEAM if it gets very hot.
- c. Keep the plug dry and take appropriate care when operating in wet conditions.
- d. Do not touch the electric terminals of the BEAM.
- e. Do not use the BEAM if any parts are broken, worn, cracked, and open or show any indication of damage. Contact vendor if you are uncertain if it is safe to use your BEAM.
- f. Children may not use this device.
- g. Handle the BEAM with care; do not drop and do not pull the cable strongly.
- h. Ensure that the BEAM is placed to avoid submersion in water.



Maintenance

- a. Do not disassemble or try to repair. Contact vendor if service is required.
- b. Keep the connector faces (plugs and coupler) dry during cleaning.

Moving and storage

- a. Do not hang the BEAM by the connectors.

Caution

- Parts could be damaged due to mishandling
- Prevent foreign matter from getting into the terminal parts of the BEAM.
- Avoid stepping on, folding, driving over, or putting tight kinks in the cable.
- Avoid using the BEAM during electrical storms or thunderstorms.
- Never connect the BEAM to a damaged charging station.
- Do not place heavy objects on the BEAM.
- Do not drop the BEAM.

TROUBLESHOOTING

If charging does not start, check the following:

- The station side connector is fully inserted in the charging station outlet.
- The EV connector is fully inserted into the vehicle outlet.
- If the EV connector is type 1 with a latch, check that the latch has fallen into place.
- If none of the above works, disconnect connectors in both ends and inspect to see if there are any foreign matter stuck in the connectors.
- Some charging stations lock the cable. At the end of charging always disconnect the vehicle first followed by disconnecting the charging station.

TECHNICAL SPECIFICATIONS

Designation	BEAM 1F 16A Mode 3 Type 1
Product number	100642
Voltage	Maximum 250 V
Current	20 A
Vehicle interface	SAE J1772 (IEC TYPE 1)
Cable length	5 m
Protective earth conductor	Non-switched
Encapsulation	IP67



Operating temperature	-25 °C - + 45 °C
Relative Operating humidity	<75 % at 40 °C, <95% at 20 °C
Standards	IEC 61851-1 Ed.3 IEC 62196-2 IEC 62752:2016
Designation	BEAM 1F 16A Mode 3 Type 2
Product number	100541
Voltage	Maximum 250 V
Current	20 A
Vehicle interface	62196-2 (TYPE 2)
Cable length	5 m
Protective earth conductor	Non-switched
Encapsulation	IP67
Operating temperature	-25 °C - + 45 °C
Relative Operating humidity	<75 % at 40 °C, <95% at 20 °C
Standards	IEC 61851-1 Ed.3 IEC 62196-2 IEC 62752:2016

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DISPOSAL

The BEAM contains electronics and should be recycled as such. Contact your local community centre for information about recycling and where to dispose your products.

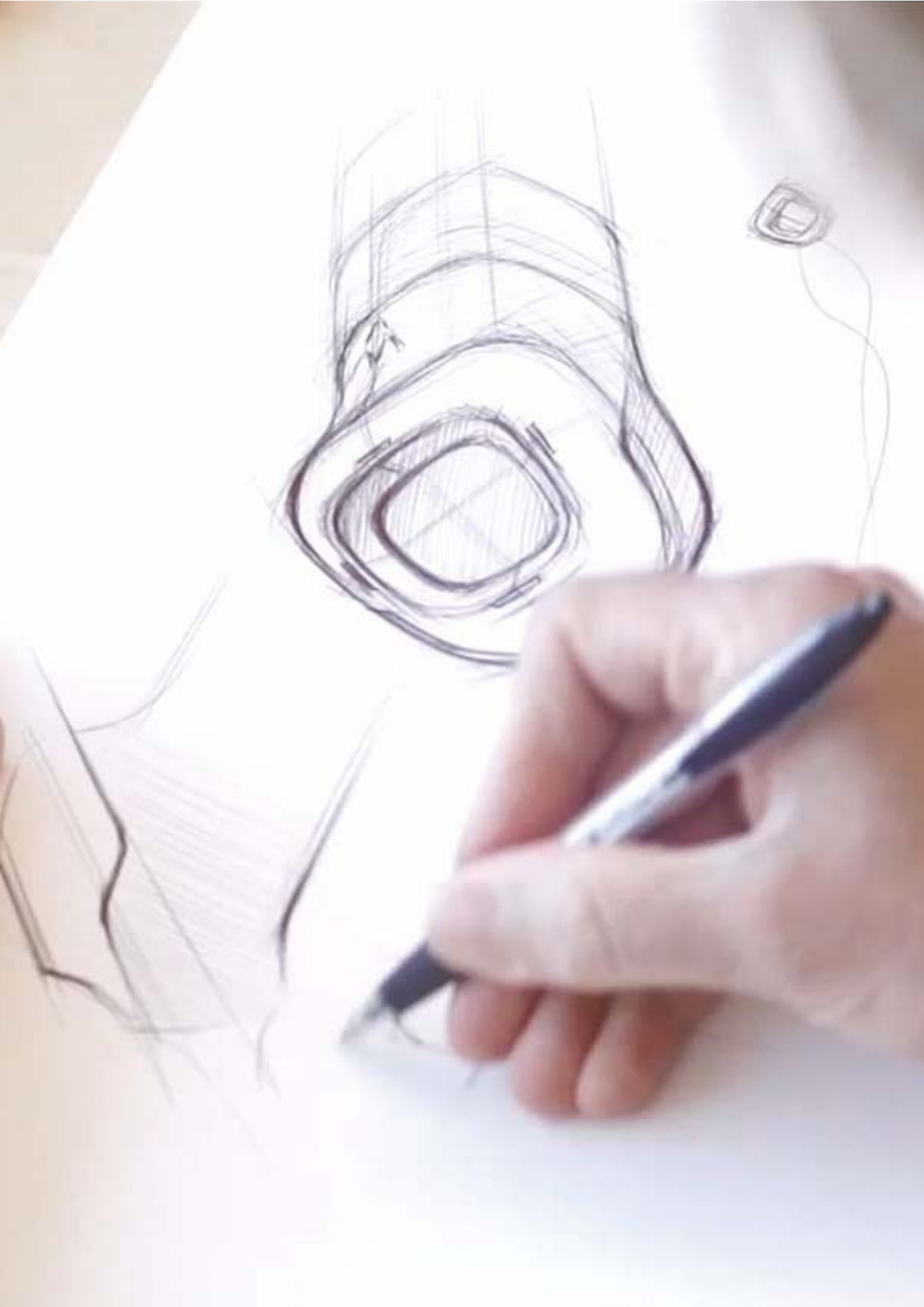
You can also send used items back to Charge Amps for disposal. Contact info@charge-amps.com for instructions on how to send items for disposal.



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Charge Amps' objective is to create services that ease the transition from today's fossil fuels dependency to a society that is environmentally sustainable. This should be done without restricting the freedom, or joy, of movement for the people. Charge Amps strives to find opportunities to support entrepreneurship and increase the consumer's freedom with less environmental effect.



BYE BYE FOSSIL FUELS HELLO BEAM!

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