

V2L-HK VEHICLE-TO-LOAD ADAPTER

for Hyundai and Kia electric vehicles with V2L support

USER MANUAL



VEHICLE TYPE 2 to HOUSEHOLD socket-outlet

V2L-HK adapter is designed to power various standard 230 Vac electrical devices with standard household plugs (power tools, cookers, ovens, refrigerators, lights, computers, charge electric bicycles/scooters/etc and other electrical appliances) from Hyundai and Kia electric vehicles that feature on-board V2L (vehicle-to-load) system. Using V2L-HK in combination with Metron portable EV charger you can also charge any other electric car from your Hyundai/Kia car. Metron V2L-HK adapter maximum load is up to 3.7 kW (depending on the socket outlet).

GET STARTED

Switch off your vehicle and leave it unlocked.

Open the charge port and insert V2L-HK adapter **[1]** and press the switch on the underside **[2]**.

The adapter will be locked in the car's socket and the LED indicator light will start glowing **[3]**. When LED is on you have 230V AC mains electricity available at the socket **[4]** and you can now power various electrical devices.

When you want to switch off the 230V power supply simply press the switch **[2]** again.

To unplug the adapter from the vehicle you need to unlock it first by pressing the "unlock" button on the key fob **[5]**.



If the V2L-HK cuts-off power during use it may be due to an overload or low battery charge. Check the vehicle condition and charge level to determine why there is no output power.



Vehicle to load type adapter can work with Hyundai and Kia electric vehicles only. It will NOT work on other electric vehicles.

TECHNICAL SPECIFICATIONS

Vehicle side plug type	Type 2
Socket outlet types	Type F (Schuko) or Type E (French) or Type G (UK) or others on request
Maximum continuous current	16 A (13 A for Type G)
Ingress protection rating	IP44 [moisture proof]
Operating Ambient Air Temperature Range	from -40°C to +50°C
UV resistance	YES
Dimensions [Ømax / Length]	70 mm / 280 mm
Weight	440 g



Never draw more than 16 A from the adapter V2L-HK!



GREEN PRODUCTION

All our products are produced in a carbon neutral way by using "**Sustainable energy cycle**" method. The production plant where we make charging cables and portable charging stations is the first fully sustainable production facility for EV charging cables. All energy needed for the heating / cooling of the building, production process, as well as for transportation of goods and employees (except deliveries of heavy materials by trucks) is produced by 2 photovoltaic power plants and stored in 4 storage batteries. Almost all of the raw materials we use (cables, plugs) are produced in EU to shorten supply routes and support local economy. **Buying our products helps developing sustainable economy.**

LIMITED WARRANTY

METRON warrants its product to the original consumer purchaser that it will repair, or replace, any product that is determined to be defective for the following terms: **Two (2) years from date of purchase on all components.** To be eligible for repair or replacement under this warranty, the product in question must be sent back to METRON within the warranty period and the original consumer purchaser must comply with the following conditions: The product thereof must not have been modified or altered in any way by an unauthorized source; The product thereof must have been used in accordance with the user manual. This limited warranty does not cover: Damage due to improper use; Accidental or intentional damage; Misuse, abuse, corrosion, or neglect; Product impaired by severe natural conditions, such as excessive hail storms, lightning strikes, tornados, flooding, ice or other natural occurrences; Damage due to improper packaging on return shipment. Any and all labor charges for troubleshooting, removal or replacement of the product are not covered by this warranty and will not be honored by METRON. All shipping costs regarding repair or replacement of the product is to be pre-paid by the original consumer purchaser.