

ADAPTER AC01V2L

For KIA EV6, KIA e-Niro (new 2022 model) and Hyundai IONIQ 5 electric vehicles only

USER MANUAL



TYPE 2 TO SCHUKO 16A

AC01V2L adapter is designed to power various electrical devices (ex. to charge electric bicycles, scooters and other electrical appliances) with normal Type F (Schuko) 16A plugs from electric vehicle that has vehicle to load system enabled (KIA EV6, KIA e-Niro (new 2022 model) and Hyundai IONIQ 5). Maximum load is 3.5 kW.

GET STARTED

1. Plug adapter AC01V2L to Type 2 car charging socket.
2. On the back of the AC01V2L adapter press the switch button to **turn-on [A]** (see picture above). The adapter is automatically locked after connecting. LED indicator will turn on.
3. System is ready to supply power.
4. When finished, press the switch button again to **turn-off [B]** (see picture above). Press the vehicle door "unlock" button to unlock the AC01V2L adapter.
5. Remove the adapter from the vehicle, then unplug the electric cord from the adapter.

If the AC01V2L stops during use, it may be due to an overload or a low battery charge. Check the vehicle condition and charge level to determine why it stopped.



Vehicle to load type adapter, from Type 2 – to Type F (Schuko) 16A single phase is for KIA EV6, KIA e-Niro (new 2022 model) and Hyundai IONIQ 5 electric vehicles only. It will NOT work on other electric vehicles.

TECHNICAL SPECIFICATIONS

Maximum continuous current [A]	16	Schuko socket overtemperature protection	YES
Ingress protection [IP] rating	44 [moisture proof]	Dimensions [Φmax / Length]	80 mm / 440 mm
Operating Ambient Air Temperature Range [C°]	from -40 to +50	Weight	600 g
UV resistance	YES		

Schuko socket overtemperature protection function description:

AC01V2L adapter has a very high quality socket built-in that won't overheat at continuous current of 16A. However, if bad or low quality plug is inserted in adapter's socket it can dissipate a lot of heat. This heat is then detected by adapter's temperature sensor. If or when it exceeds allowed temperature range the adapter sends a signal to the car to disconnect power. When it sufficiently cools down the adapter automatically sends a signal to the car to apply power back. This process can repeat endlessly.



Never draw more than 16A from the adapter AC01V2L!



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.