

# CAYO

**Instruction Manual**

*battery.dokk*

smart power converter 12V - USB



V1.0

**CAYO** - a brand of *motogadget*.

Thank you for choosing a quality product from *motogadget*.

Please read the following instructions completely and observe them when handling the device. No warranty claims arise and motogadget GmbH assumes no liability for damage resulting from non-observance of these instructions.

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## **1. Review of Delivery**

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## **2. Exclusion of Liability**

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### **3. Safety Instructions**

- THE VEHICLE BATTERY MUST BE COMPLETELY DISCONNECTED PRIOR TO ANY WORK ON THE VEHICLE'S ELECTRICAL SYSTEM. FIRST, DISCONNECT THE NEGATIVE TERMINAL AND THEN THE POSITIVE TERMINAL. FOR RECONNECTION PROCEED IN THE REVERSE ORDER**
- INSTALLATION AND ELECTRICAL CONNECTION MAY CARRIED OUT BY A CERTIFIED TECHNICIAN ONLY.**
- ALL ELECTRICAL CONNECTIONS IN THE WIRING LOOM AND AT CONNECTION TERMINALS HAVE TO BE CARRIED OUT PROFESSIONALLY. FAILURES AT CONNECTING JOINTS MAY CAUSE A CONTACT RESISTANCE AND LEAD TO HEAT GENERATION DURING HIGH CURRENT FLOW. THERE IS A RISK OF SERIOUS OR LETHAL INJURIES.**

## 4. Specifications

- Dimensions: 100mm x 10mm x 60mm
- Weight: 52g
- Input voltage: 12,4V – 18V
- Output power: 7,5W
- Connection: vehicle battery with M6 ringlet to USB-C connector
- Standby current: 200 $\mu$ A
- Temperatur rage: -20°C bis +80°C
- Rating: waterproof - IP69

## 5. Area of application & product features

The *battery.dokk* is a small, compact voltage converter and is suitable for direct connection to the vehicle battery. The output as a USB-C connector delivers 7.5W power and is designed for connecting the CAYO *moto.dokk*.

In contrast to the devices available on the market, there is no need to search for a switched ignition plus in the vehicle wiring harness for the electrical connection. This means that installation is possible without a workshop; no changes to the vehicle wiring harness such as cutting lines, etc. are necessary. The connection is made directly to the battery poles.

An integrated position sensor activates the *battery.dokk* in the event of vibration. After 10 minutes of stand still, the *battery.dokk* deactivates and protects the battery from discharge with an extremely low standby current consumption of just 200 $\mu$ A.

## 6. Installation and connection

Place the USB-C plug of the *battery.dokk* at the installation location of the *moto.dokk* and look for a suitable cable route to the vehicle battery. The connection cables must not be damaged during installation or during operation. The connection cable and housing must be attached to the vehicle without pulling or kinks, being splash-proof and away from hot engine and exhaust parts. Pay attention to the angle of the handlebars. Use plastic cable ties and protect the cable from mechanical wear and tear or damage in exposed areas such as the seat cushion.

Particular care is required when installing the connection cables to the battery poles. First remove the negative pole connector, then the positive pole connector. Make sure that there is no short circuit between the screwing tool and parts that carry ground, e.g. vehicle frame.

First screw the eyelet of the red connection cable of the *battery.dokk* together with the existing vehicle cables to the positive pole of the battery. Observe the tightening torque specified by the battery manufacturer. Use pole grease. The black cable of the *battery.dokk* is then connected to the battery negative pole together with the vehicle cables.

## **Declaration of conformity**

motogadget GmbH hereby declares that the product is compliant with the applicable EU guidelines. The full text of the EU declaration of conformity is available at the following internet address:

<https://manuals.motogadget.com/cayo-battery-dokk>

