

## DHB-2201

### H2BOT – TELEOPERATED EV CHARGER

The device is designed to charge EV's in remote locations without charging infrastructure. Energy for charging is made on site, using hydrogen fuel cell power source. It is a remotely controlled vehicle with integrated automatic CCS charger and exchangeable hydrogen storage. Connection of the charged EV and the vehicle is done via robotic arm. Thanks to installed cameras, the operator is able to see 360° around the vehicle. Material and personal safety is checked via multiple safety systems. The storage can be exchanged by using standard logistics manipulation equipment.

#### Electrical parameters

**Max. CCS charger power**

- 50 kW

**Installed cameras:**

- 8x 2D high resolution
- 1x 3D sensor pro for robotic arm

**Teleoperation range**

- Unlimited (Internet connection)

#### Mechanical parameters:

**Charging arm range**

- cca 1600mm

**Dimensions (W x L x H)**

- 1448x2734x2120 mm

**Weight**

- 1750 kg (empty)
- 2390 kg (with hydrogen storage)

**Max. speed**

- 20 km/h

#### H<sub>2</sub> storage parameters

**H<sub>2</sub> quantity**

- 14 kg

**Usable energy**

- cca 230 kWh

**Working pressure**

- 500 bar

**Dimensions (W x L x H)**

- 1200x800x1920 mm

**Weight**

- 640 kg

**Refilling**

- Standard automotive hydrogen filling station

