

# EV platform GWL/Smarty



## Technical specification



**GWL  
POWER**



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## Introduction



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**Wish to build your EV right now and easy?**

The GWL/Smarty an open project electric vehicle platform is a way for you. It is not only concept. It is real EV vehicle available now! Homologated for public roads in EU.  
Just finish your dream and go.

You will obtain full vehicle without batteries so there many options:

- 1) Do you want only small car for short distances? Yes, possible!**  
Just insert the battery pack by your needs
- 2) Do you want own design of outer body? Yes, possible!**  
Just use the frame from GWL/Smarty and bodywork from your fantasy
- 3) Do you want mobile energy storage? Yes, possible!**  
You can install up to 49 kWh of LiFePO4 cells/battery pack

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General specification

**Consumption:** 10kW/100km

**Top speed:** 100+ km/h

**Range:** by used battery pack  
(72V, 200Ah means 140 km)

**Charger:** high speed charging  
supported

**Battery:** by customer needs

**Payload:** 520 kg (usable for batteries)

**DC-DC inverter:** yes, 400W

**Heater:** yes, electric

**Bodywork material:**

Fiberglass body with metal parts on steel space frame



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General specification

**Vehicle category:**

M1, passenger vehicle

**Motor and bodywork manufacturer:**

HUOYUN ELECTRIC CAR CO. LTD., LINZI CITY, CHINA

**Brand:** HUOYUN

**Type:** HY-B2272

**Commercial designation:**

HUOYUN HY-B2272

**Type of bodywork:**

2 seats hatchback



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Engine specification



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**Max. power (kW @ RPM):**  
8,5 @ 2900

**Fuel:**  
Electric

**Motor type:**  
EV83085



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Dimension and weights

**Size: (LxWxH; mm):**  
2340 x 1550 x 1550

**Wheelbase (mm):** 1650

**Passenger capacity:** 2

**Operating weight (kg):** 785

**Curb weight (kg):** 710

**Maximum permissible / allowed weight (kg):** 1250

**Max. permissible / allowed weight per axle: (N1/N2 kg):**  
640 / 640



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Other specification

Drive axle: rear

**Wheels and tires:**

12Bx5.00; 145/70R12 69T

**Alternative size of tires:**

145/75R12 69T

**Color:**

Yellow

**Gearbox:**

Automatic, no transmission, forward and backward only



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Spaces for batteries



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Here are dimensions for battery packs in original bodywork. These should be extended in case of own design.





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Contact



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## GWL Power

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