

**모듈형 화물 자전거**

**EMPA  
ECCOV MODULAR  
PLATFORM ARCHITECTURE**

# ECCOV

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EMPA (eccov modular platform architecture) that can be configured in various forms by supplying a platform including a driving system.

This chassis has applied automobile mass production technology with a new manufacturing method that combines only the advantages of both products as an intermediate area between automobile and bicycle industry.

Optimized to customer needs by wide flexibility in the selection of shape, transmission system.  
Eccov want to build convincing partnership through unique EMPA solutions.



Technology from Automobile industry.  
Material from automotive structure metal, advanced high strength steel.



# Girder fork

The damper-applied girder fork can withstand heavier weight, is stronger than any other bicycle fork, and is shock absorbing.

# EMPA single





W x L x H	900-1200 x 2450 x 1130
Weight	80kg
Box	customize up to 1.2CBM
Load capacity	Max 150kg
Range	80km+
Drive system	HL Mando chainless e-Pedal
Battery	Li-Ion 48V 16.64Ah 800Wh
Motor	Heinzmann cargo 48V 250W 110Nm

# EMPA Tilting





W x L x H	900-1200 x 2450 x 1130
Weight	150kg
Box	customize up to 1.2CBM
Load capacity	Max 150kg
Range	60km+
Drive system	HL Mando chainless e-Pedal
Battery	Li-Ion 48V 50Ah2400Wh
Motor	SEG EM 1.2 Motor 48V 1.2kW 28Nm IP67



# EMPA

## 2 wheel

## Longtail



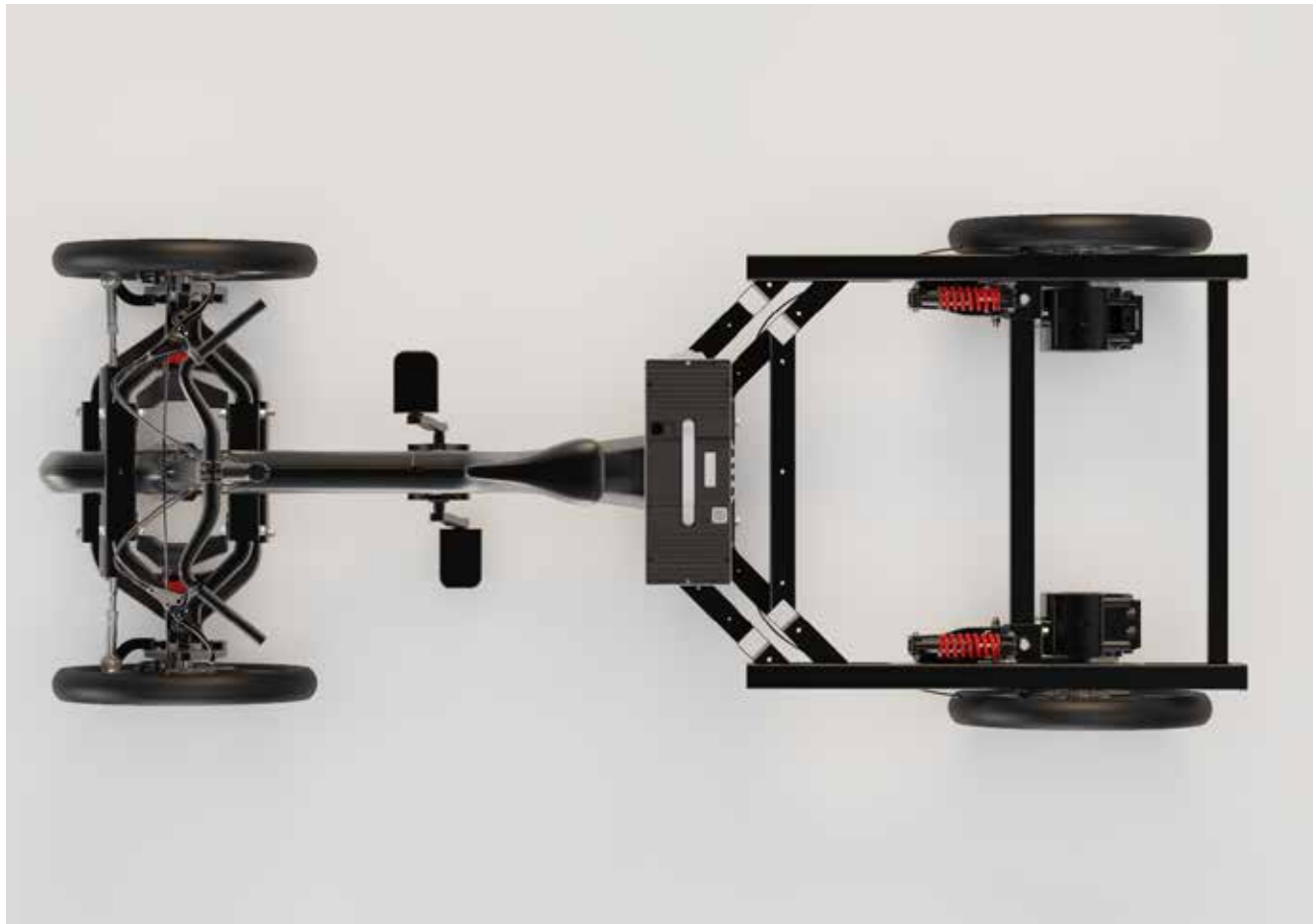


W x L x H	700 x 1250 x 1130
Weight	60kg
Load capacity	Max 130kg
Range	80km+
Drive system	HL Mando chainless e-Pedal
Battery	Li-Ion 48V 16.64Ah 800Wh
Motor	Heinzmann cargo 48V 250W 110Nm

# EMPA

## 4 wheel





W x L x H	900-1200 x 2300-2700 x 1130
Weight	200kg
Box	customize up to 2CBM
Load capacity	Max 350kg
Range	150km+
Drive system	HL Mando chainless e-Pedal
Battery	Li-Ion 48V 50Ah 2400Wh
Motor	HL Mando Dual drive 48V 250W 120Nm IP55