

UPS P45E Spec's & Facts



Background:

Currently, there is no pure electric-powered vehicle in the 3,5-t class series offered which fulfils the necessary requirements.
The available electric-powered vans have a significant loss of volume or high costs.
With the electrification of the classic-UPS P45 vehicle it is possible to provide an environmentally friendly vehicle for use in inner cities. The conversion has been performed by the medium-sized company EFA-S (Electric Vehicles Schwaben GmbH).
The ergonomics of the UPS delivery vehicles are fully observed

Spec's of the original P45 delivery vehicle with the fleet number 47971:

Engine:	Diesel-4 cylinder
Motor capacity:	2,1 Liter
Output:	90HP
Max. speed:	100 km/h (all 3,5t or above UPS package vehicles are limited across Europe to 100km/h)
Approx. mileage done:	105.000 km
Size (L x H x W):	6300 x 2800 x 2150mm Cargo area capacity: 14m ³
GVW:	3.500 kg
Payload:	1.100 kg
Operation time (before conversion):	2008
Operation location:	France
Emission standard:	Euro 4
Range:	approx. 600 km

UPS P45-E: Spec's / modification:

E-Motor:	Electro (Synchronous motor of comp. AMK Arnold Müller GmbH & Co. KG in Kirchheim unter Teck)
Torque:	850Nm
Power output:	60kw
Max. speed:	max. 100 km/h (electronically limited)
Batteries:	100AH -Li-FeYPO4 with 38 kWh (120 cells). The cells are individual exchangeable
Power supply:	400 Volt
Charge time:	up to 8 hours
Location of the Batteries:	under the floor section of cargo area and front hood
Payload	800kg (with 3,8t registration)
Cargo area capacity:	14 m ³ (no change)
Emission standard:	no emission
Consumption (Electricity):	approx. 40 kWh / 100 km
Range:	75 km (empty approx. 30% more)
Other details:	Regenerative braking capacity (Kers, Float version) Direct drive, no manual gear shifting.



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