

DOER Powerd by METRUCKS



Powered by
Nijland Cycling

Technical Specifications

Description	
Model	Doer
Type	Pedelec
Dimensions <i>(Length x width x height)</i>	2.93 m** x 0.98 m** x 1.80m**
Wheelbase	1800 mm
Turing circle	< 6.75 m
Body types	Cab and Cabrio <i>(Cargo and Pick-Up)</i>

Driver cabin	
Weather protection	Yes, full driver cabin
Windshield wiper	Yes, Available on full cabin version
Seat	Ergonomic adjustable seat
Storing space	On the dashboard
Controls	User friendly driver cockpit

Drive system	
Type	Chainless Serial hybrid system
Continuous rated power	250 W (<i>As per National Regulations</i>)
Motor	48 V, Permanent magnet Synchronous Motor
Gearshift	Manual 2 speed transmission (<i>regular and hill climb</i>)
<i>Starting aid (Walk Mode)</i>	Yes, electrically assisted up to max. 4.5 km/hr.
<i>Climbing ability (at max payload)</i>	Up to a gradient of max. 18%
Assist levels	5 electric driving modes
Reverse aid	Yes, electrically assisted up to max. 4.5 km/hr.

Battery	
Battery type	Removable LiFePO4 (<i>AES SuperPack</i>)
Energy	1400 Wh (<i>per battery</i>)
Range (<i>1 battery / 2 battery</i>)	25 - 50 km
Charging time per battery	6-8 hours (<i>regular 230V socket</i>)
Charging cycles	2500 (<i>minimum</i>)

Other components	
Lighting	Front lights, Rear lights, Indicator/ Warning lights, Brake lights
Rear-view mirrors	Yes
Suspension	Front: Mc Pherson Struts with A- Arms Rear: Heavy duty trailing arms with coil over shocks and track bar
Rear brakes	Extreme heavy duty high-performance quad brakes
Parking brake	Electronically activated parking brake
Wheels	Aluminium Alloy Rims 3.00 x 12"
Tyres	Scooter tyres (80/80-12")

Cargo Box and pay load	
Cargo Box	1500L (<i>fits an europallet</i>), optional 1700L
Box interior	Customizable
Optional	Full box customization (<i>incl. branded wrapping</i>)
Maximum pay load	200 kg
Maximum total weight	600 kg (<i>incl bike and rider</i>)

IOT	
IoT module	Optional
Software platform <i>usage data</i>	Fleet management, asset service management, warranty claims