

Imionos Technical Specifications

Frame	
Material	25CrMo4 aerospace grade steel , Non butted tubes.
Construction	Handbuilt, Tig welded, Heavy Duty Integrated Rear Rack, Engineered and test-proven
Fork	Custom, 25CrMo4, ATC: 450mm , Offset: 45mm
Overall Load Capacity	210 Kg (Rider plus 110Kg Max load on rear rack)
Overall Weight	32Kg (Not including panniers and rackboards)
Electric Drivetrain	
Motor	Bafang BBSHD 1000 W maximum sustained assist (unlocked for off-road use)
Assistance mode	Pedal assist, 9 programmable power assist levels
Throttle	Yes - Programmable assistance-speed levels
Display	Assistance Controls, speed, range, temperature, fault warnings, battery indicator
Battery Construction	Hand Assembled, 18650 Panasonic Cells
Battery Characteristics	48V, 11,6 Ah , 30A continuous BMS (Custom sizes available)
Battery Case	Downtube mounted, removable, waterproof
Battery Management System	State of art smart BMS, onboard diagnostics, Bluetooth connectivity
Assisted Performance	
Range	30 - 60 Km depending on terrain load and assistance level (single battery pack)
Assisted Top Speed	55 Km/h (Level ground -off road non limited mode)
Grade-ability	22% on full load depending on road surface friction
Mechanical Transmission	
Shifters	Shimano Zee 10 Sp
Front Chain Ring	Luna 42T (30T Optional)
Chain	KMC x10 e e-bike (elongated)
Pedals	VP 565 alloy
Derailure	Shimano SLX RD-M670 GS
Cassette	Shimano 10 speed CS-HG50 11-36T
Human Interface	
Headset	FSA The Pig DH Pro 1 1/8"
Stem	Aluminium , 22.2mm D , 820mm width , 90mm Rise , 13Deg Backsweep
Handlebars	Width: 820mm , OD:22mm , Rise :90mm , Backsweep :13 deg
Saddle	VELO Tour Air 275x212mm
Seatpost	UNO 29.8mm x 350mm
Brakes	
Brakes Rear	Shimano SLX M7000 Hydraulic (Internal Routing)
Rotor Rear	Shimano SM-RT66 180mm
Brakes Front	Shimano SLX M7000 Hydraulic
Rotor Front	Shimano SM-RT66 180mm
Wheels	
Rim Front	26"x 80mm (capacity up to 26"x 100mm)
Rim Rear	26"x 80mm (capacity up to 26"x 100mm)
Hub F	100mm Novatec D201SB 36H QR9 mm / Through axle 15mm
Hub R	170mm Novatec D202SB 36H 10mm Through axle
Tyres	Schualbe Jumbo Jim 26"x4,8" / Jumbo Jim 26"x4"
Accessories	
Stand	Side Stand included. (MAX load 50 Kg)
Pillion Footrests	Included
Wooden Rack Board	Included, including side pannier boards