



## i300 Carbon Technical Specification

Vehicle Type	
Vehicle Class	L3e - A2
Motor	
Type	Air-Cooled Interior Permanent Magnet Electric Motor (IPM)
Max. Power (Peak)	18 kW (20hp)
Continuous Power	7.2kW
Max. Torque	85 Nm (at the crank); 587 Nm (at Rear Wheel)
Performance	
Top Speed	96 km/h (Electronically Governed)
Acceleration 0-50 km/h	2.35 s
Acceleration 0-70 km/h	4.1 s
Est. Range	60 km (ECO Mode)
Battery	
Battery Type	72V Lithium-ion; 720Wh per Battery Pack
Battery Pack	2 x Air-Cooled, Ultra Portable Lithium-ion Battery Packs
Battery Weight	6 kg Per Battery Pack
Driving Modes	
ECO	Output Capped at 4 kW
POWER	Output Capped at 11 kW
ZAPP	Output Capped at 18 kW
Transmission	
Drive	Centred Swing-Arm, Carbon Reinforced Belt Drive with 6.9:1 Single Reduction Ratio via Secondary Carbon Fiber Belt
Chassis / Suspension / Brake	
Frame	Aerospace Grade Alloy Load-Bearing Exoskeleton Over Chrome-Moly Steel Tube Underbone
Front Suspension	Upside-Down Fork Ø 31 mm
Rear Suspension	Single-Sided Swing Arm with a Direct-Link Spring Strut, Adjustable Spring Preload
Front Suspension Travel	100 mm
Rear Suspension Travel	70 mm
Wheelbase	1,397 mm

<b>Castor / Rake</b>	26.5°
<b>Trail</b>	86 mm
<b>Head Angle / Fork Angle</b>	80°
<b>Wheels</b>	Cast Aluminium
<b>Front Wheel</b>	3.50 x 14"
<b>Rear Wheel</b>	4.25 x 14"
<b>Front Tyre</b>	120/70 R14
<b>Rear Tyre</b>	140/60 R14
<b>Front Brake</b>	Full Floating Single 255mm Ø disc, 4-Piston Radial Mounted Caliper
<b>Rear Brake</b>	Single 220mm Ø disc, Dual-Piston Caliper
<b>ABS</b>	Dual Wheel Speed Sensor ABS Operating on Front Wheel Only
<b>Dimensions / Weight</b>	
<b>Length</b>	1935 mm
<b>Width (inc;. Mirrors)</b>	968 mm
<b>Height (excl. Mirrors)</b>	1193 mm
<b>Sear Height, Unladen</b>	750 mm
<b>Unladen Weight</b>	92 kg
<b>Permitted Total Weight</b>	250 kg
<b>Carrying Capacity</b>	1 Passengers / Max. 150 kg
<b>Standard Warranty</b>	24 Months
<b>Battery Warranty</b>	36 Months
<b>Emission</b>	Zero

**\*Note that all specifications are approximate and are subject to change without notice.**