



Bgauss Auto Pvt Ltd

Technical Specification

New Specifications	C12i EX Gen-2	C12i MAX 2.0 Gen-2	C12 MAX 3.0 Gen-2
Performance			
Power Train Type	HUB MOTOR	HUB MOTOR	HUB MOTOR
Motor Power Peak (w)	2400	2400	2400
Continuous power (w)	1500	1500	1500
Max Speed (km/h)	60+/-2	60+/-2	60+/-2
Acceleration 0-40 (km/h)	7.7 seconds	7.7 seconds	7.7 seconds
ARAI Certified Range (km)	85* Km	123* Km	123* Km
Motor IP Rating	IP67	IP67	IP67
Gradeability (Single Rider - 75kg)	14±2°	14±2°	14±2°
Gradeability (Double Rider - 150kg)	10±2°	10±2°	10±2°
Controller Rating	IP67	IP67	IP67
Mode 1 - Eco (Km/h)	45+/-2	45+/-2	45+/-2
Mode 2 - Sport (Km/h)	60+/-2	60+/-2	60+/-2
Reverse Mode	NA	NA	Yes
Battery & Charger			
Primary Battery			
Installed Capacity	2.0 kWh - CAN Enabled	2.7 kWh - CAN Enabled	2.7 kWh - CAN Enabled
Usable capacity	1.85 kWh	2.5 kWh	2.5 kWh
Cell Type	Lithium ion cells - LFP	Lithium ion cells - LFP	Lithium ion cells - LFP
Battery weight	20 Kg	25 Kg	25 Kg
Battery IP Rating	IP 67	IP 67	IP 67
Battery Case	Aluminium	Aluminium	Aluminium
Connector	Chogori Connector	Chogori Connector	Chogori Connector
Cooling	NA	NA	NA
Removable	Yes, by using tools	Yes, by using tools	Yes, by using tools



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Primary Charger			
Charger Rating	10 Ampere - CAN Enabled	10 Ampere - CAN Enabled	10 Ampere - CAN Enabled
Charging Time 0 - 80%	3 hrs to 3 hrs 15 mins	4 hrs 30 mins to 4 hrs 45 mins	4 hrs 30 mins to 4 hrs 45 mins
Charging Time 0 - 100%	4 hrs 40 mins to 5 hrs	6 hrs 30 mins to 6 hrs 45 mins	6 hrs 30 mins to 6 hrs 45 mins
Secondary Battery			
Battery Type	VRLA Maintenance free battery 12V 4Ah	VRLA Maintenance free battery 12V 4Ah	VRLA Maintenance free battery 12V 4Ah
Peripherals			
Speedometer	CAN Enabled Digital Console	CAN Enabled Digital Console	TFT - 12.7cm (5")
IP rating	IP65	IP65	IP67
Touchscreen	-	-	-
Turn by turn navigation	NA	NA	Yes
Call notification	NA	NA	Yes
Display Themes	NA	NA	2
Night mode	NA	NA	Auto adjusting
Auto brightness	NA	NA	Yes
User Profiles	NA	NA	2
Document Storage	NA	NA	Yes, 2 in each profile
Ride Statistics	NA	NA	Yes
Charge statistics	NA	NA	Yes
Water Wading Limit	300 mm	300 mm	300 mm
Body & Dimensions			
Vehicle Weight (Kg)	107	112	112
Length (mm)	1825	1825	1825

Width (mm)	706	706	706
Height (mm)	1153	1153	1153
Wheelbase (mm)	1292	1292	1292
Rider Seat Height (mm)	765	765	765
Seat Length (mm)	774	774	774
Ground Clearance (mm)	155	155	155
Vehicle Body Panels	Plastic (ABS&PP)	Plastic (ABS&PP)	Plastic (ABS&PP)
Chassis Type	Tubular Chassis	Tubular Chassis	Tubular Chassis
Side Stand	Yes	Yes	Yes
Main Stand	Yes	Yes	Yes
Footboard Storage	Yes	Yes	Yes
Wheels, Tyres, Brakes & Suspension			
Wheel Type	Steel Wheel	Steel Wheel	Steel Wheel
Tyre Type	Tubeless	Tubeless	Tubeless
Front Tyre Dim	90/90-304.8 (12 inch)	90/90-304.8 (12 inch)	90/90-304.8 (12 inch)
Rear Tyre Dim	90/100-254 (10 inch)	90/100-254 (10 inch)	90/100-254 (10 inch)
Front Brake Type	Drum (Dia 130mm)	Drum (Dia 130mm)	Drum (Dia 130mm)
Rear Brake Type	Drum - CBS (Dia 130mm)	Drum - CBS (Dia 130mm)	Drum - CBS (Dia 130mm)
Regenerating Braking	Yes	Yes	Yes
Front Suspension	Hydraulic Telescopic	Hydraulic Telescopic	Hydraulic Telescopic
Rear Shock Absorber	Double Hydraulic Spring - 4 Step Adjustable	Double Hydraulic Spring - 4 Step Adjustable	Double Hydraulic Spring - 4 Step Adjustable
Frames & Suspensions			
Standard Payload (Kgs)	150	150	150

Smart Features			
Riding modes	Eco & Sport	Eco & Sport	Eco & Sport
Reverse Mode	NA	NA	Yes
Cruise mode	NA	NA	Yes
Distance to Empty	NA	NA	Yes
Motor to Function while Braking	Yes	Yes	Yes
Roll Over Detection	NA	NA	Yes
Side Stand motor cut-off	Yes	Yes	Yes
Service reminder	Yes	Yes	Yes
Communication Protocol	CAN 2.0	CAN 2.0	CAN 2.0
Limphome mode on low SOC	Yes	Yes	Yes
USB Charging	Yes	Yes	Yes
Lights			
Head light	LED	LED	LED
Tail light	LED	LED	LED
Indicator lights	LED	LED	LED
DRL light	LED	LED	LED
App Based Smart Features			
User manual	Yes	Yes	Yes
Service coupon	Yes	Yes	Yes
Firmware Update	NA	NA	Yes
Health Check of the Vehicle	NA	NA	Yes
App Based Smart Features w/o bluetooth			



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User Manual	Yes	Yes	Yes
Tutorial	Yes	Yes	Yes
Digilocker connect	Yes	Yes	Yes
SOS	Yes	Yes	Yes