

 Ozotec^{EV}
Innovation To Serve Society



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OUR MILESTONE



COMPANY PROFILE

Ozotec, founded in 2002 by Mr. K. Barathan, began with a self-funded investment of US\$10,000, initially focusing on projects for various industries and college students. The company's breakthrough came in 2003 with the development of the Fixed Cellular Terminal (FCT), revolutionizing office communication by enabling GSM connectivity for cable phones. Over the years, Ozotec expanded into the textile industry, designing control panels and motors that gained recognition from the Ministry of Textiles, Government of India. By 2015-2017, the company had successfully installed over 100,000 units, driving a turnover of USD 10 million.

In 2018, Ozotec pivoted to the electric vehicle (EV) market, launching its first EV, "Flio," in 2020, designed for rural markets with its rugged design and 120+ km range. Flio gained strong market response, contributing to a turnover of USD 6 million in EV sales.

In May 2024, Ozotec launched its latest EV, "BHEEM," built to be even more economical, durable, and rugged, with a production capacity of 25,000 vehicles per year. This vehicle aims for a turnover of USD 30 million and will be sold across India. With the success of Flio and the launch of BHEEM, Ozotec has expanded its product range and solidified its position in the EV sector, focusing on sustainable transportation solutions.

The company's continued innovation and technology-driven approach have been key in driving its exponential growth, positioning Ozotec as a leader in the electric vehicle industry.

7S SAFEST BATTERY



SAFEST CELL CHEMISTRY
(GEN2 LFP BATTERY)



WIRE BONDING TECHNOLOGY



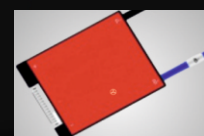
IP 67 RATED BATTERY PACK



AUTOMATE PRESSURE
VALVE



LIQUID COOLING SYSTEM



GEN2 SMART BMS



ALUMINIUM PRESSURE
DIE CAST CASING

Performance

Peak Input Power	250W
Top Speed*	25 Km/h
Motor Type	Hub Motor
Ingress Protection (Motor)	Ip65
Max Load capacity (Certified)	150kg
Kerb Weight	100Kg
Riding modes	ECO, STANDARD, SPORT & REVERSE

Chassis & Transmission

Chassis Type	Steel Tubular
Transmission Type	Hub Drive

Peripherals & Convenience

Head Light	LED Projector / LED
Tailight	LED
Indicators	LED
Cruise Control	Yes
Boot Space	14 L

Battery Options

Battery Type	Graphene Lead Acid
Nominal Voltage	60V
Driving Range*	50Kms Optional
Charging Time	7-8 Hrs

Brake

Brake Type(Front)	Disk brake
Brake Type(Rear)	Drum brake

Tyre & Wheel

Wheel	Alloy
Tyre Type	Tube less tyre
Tyre size (Front & Rear)	10 inch

Suspension

Front Suspension	Twin Telescopic Fork
Rear Suspension	Dual Shock Absorber

Display Cluster

Battery voltage Indicator	Yes
Odometer	Yes
Speedometer	Yes

Dimensions

Length	1120mm
Width	1780mm
Height	665mm
Wheelbase	1350mm
Ground Clearance	220mm
Seat length	630mm



FLIO PRO



Performance

Peak Input Power	250W/1200W Motor
Top Speed*	25/65 Km/h
Motor Type	Hub Motor
Ingress Protection (Motor)	IP65
Max Load capacity (Certified)	150kg
Kerb Weight	100Kg
Riding modes	ECO, STANDARD, SPORT & REVERSE

Chassis & Transmission

Chassis Type	Steel Tubular
Transmission Type	Hub Drive

Peripherals & Convenience

Head Light	LED Projector / LED
Tailight	LED
Indicators	LED
Connectivity	GSM Mobile Connectivity
Mobile App	Conzo
Cruise Control	Yes
Boot Space	19 L

Battery Options

Pack Casing	Aluminium
Cell Type	LiFePO4
Ingress Protection (Battery)	IP67
Nominal Voltage	76.8V
Driving Range*	40 to 120Kms Optional
Charging Time (20-80%)	1 Hrs
Fast Charging	Std
Battery Capacity	1kWh
Power Bank	1,2,3kWh (Optional)

Brake

Brake Type(Front)	Disk brake
Brake Type(Rear)	Drum brake

Tyre & Wheel

Wheel	Alloy
Tyre Type	Tube less tyre
Tyre size (Front & Rear)	10 inch

Suspension

Front Suspension	Twin Telescopic Fork
Rear Suspension	Dual Shock Absorber

Display Cluster

Battery voltage Indicator	Yes
Odometer	Yes
Speedometer	Yes
Battery SOC indication	Yes
RTR (Recommended Travel Range)	Yes
SmartMatrix Cluster	Yes

Dimensions

Length	1120mm
Width	1780mm
Height	665mm
Wheelbase	1350mm
Ground Clearance	220mm
Seat length	630mm



FLIO ULTRA



Performance

Peak Input Power	250W/1200W Motor
Top Speed*	25/65 Km/h
Motor Type	Hub Motor
Ingress Protection (Motor)	IP65
Max Load capacity (Certified)	150kg
Kerb Weight	100Kg
Riding modes	ECO, STANDARD, SPORT & REVERSE

Chassis & Transmission

Chassis Type	Steel Tubular
Transmission Type	Hub Drive

Peripherals & Convenience

Head Light	LED Projector / LED
Tailight	LED
Indicators	LED
Connectivity	GSM Mobile Connectivity
Mobile App	Conzo
Cruise Control	Yes
Boot Space	30 L

Battery Options

Pack Casing	Aluminium
Cell Type	LiFePO4
Ingress Protection (Battery)	IP67
Nominal Voltage	76.8V
Driving Range*	40 to 120Kms Optional
Charging Time (20-80%)	1 Hrs
Fast Charging	Std
Battery Capacity	1kWh
Power Bank	1,2,3kWh (Optional)

Brake

Brake Type(Front)	Disk brake
Brake Type(Rear)	Disk brake

Tyre & Wheel

Wheel	Alloy
Tyre Type	Tube less tyre
Tyre size (Front & Rear)	12 inch

Suspension

Front Suspension	Twin Telescopic Fork
Rear Suspension	Dual Shock Absorber

Display Cluster

Battery voltage Indicator	Yes
Odometer	Yes
Speedometer	Yes
Battery SOC indication	Yes
RTR (Recommended Travel Range)	Yes
SmartMatrix Cluster	Yes

Dimensions

Length	1120mm
Width	1780mm
Height	665mm
Wheelbase	1350mm
Ground Clearance	170mm
Seat length	800mm



FLIO MAX

flio
Max

Performance

Peak Input Power	250W/1200W Motor
Top Speed*	25/65 Km/h
Motor Type	Hub Motor
Ingress Protection (Motor)	IP65
Max Load capacity (Certified)	150kg
Kerb Weight	100Kg
Riding modes	ECO, STANDARD, SPORT & REVERSE

Chassis & Transmission

Chassis Type	Steel Tubular
Transmission Type	Hub Drive

Peripherals & Convenience

Head Light	LED Projector / LED
Tailight	LED
Indicators	LED
Connectivity	GSM Mobile Connectivity
Mobile App	Conzo
Cruise Control	Yes
Boot Space	22 L

Battery Options

Pack Casing	Aluminium
Cell Type	LiFePO4
Ingress Protection (Battery)	IP67
Nominal Voltage	76.8V
Driving Range*	40 to 120Kms Optional
Charging Time (20-80%)	1 Hrs
Fast Charging	Std
Battery Capacity	1kWh
Power Bank	1,2,3kWh (Optional)

Brake

Brake Type(Front)	Disk brake
Brake Type(Rear)	Disk brake

Tyre & Wheel

Wheel	Alloy
Tyre Type	Tube less tyre
Tyre size (Front & Rear)	12 inch

Suspension

Front Suspension	Twin Telescopic Fork
Rear Suspension	Dual Shock Absorber

Display Cluster

Battery voltage Indicator	Yes
Odometer	Yes
Speedometer	Yes
Battery SOC indication	Yes
RTR (Recommended Travel Range)	Yes
SmartMatrix Cluster	Yes

Dimensions

Length	1120mm
Width	1780mm
Height	665mm
Wheelbase	1350mm
Ground Clearance	190mm
Seat length	700mm



FLIO NEO

flio
Neo

Performance

Peak Input Power	3kw
Top Speed*	65Km/h
Motor Type	150Nm
Ingress Protection (Motor)	BLDC MID-DRIVE
Max Load capacity (Certified)	IP54
Kerb Weight	295kg
Riding modes	ECO, STANDARD, SPORT & REVERSE

Chassis & Transmission

Chassis Type	Dual Steel Tubular Trellis Frame Structure.
Transmission Type	Chain Drive, Belt Drive
Transmission Ratio	7.1:1

Peripherals & Convenience

Head Light	Halogen (LED Optional)
Tailight	LED
Indicators	LED
Connectivity	GSM Mobile Connectivity
Mobile App	Conzo
Pillion grab handle	Yes

Battery Options

Pack Casing	Aluminium
Cell Type	LFP
Ingress Protection (Battery)	IP67
Nominal Voltage	48v
Driving Range*	215Kms
Charging Time (20-80%)	1Hr
Fast Charging	Optional
Battery Capacity	3kWh
Power Bank	(1kWh, 2kWh Optional)

Brake

Braking System	Combined Braking System
Brake Type(Front)	Drum brake -130 mm
Brake Type(Rear)	Drum brake -110 mm

Tyre & Wheel

Wheel	Spokes
Tyre Type	Tube tyre
Tyre size (Front & Rear)	2.5*16

Suspension

Front Suspension	Telescopic Fork
Rear Suspension	Spring loaded Dual adjustable Shock Absorber

Display Cluster

Battery voltage Indicator	Yes
Odometer	Yes
Speedometer	Yes
Battery SOC indication	Yes
RTR (Recommended Travel Range)	Yes
SmartMatrix Cluster	Yes

Dimensions

Length	1965mm
Width	690mm
Height	1100mm
Wheelbase	1350mm
Ground Clearance	160mm
Seat length	830mm



BHEEM LITE

BHEEM LITE

Performance

Peak Input Power	3kw
Top Speed*	65Km/h
Max Torque on wheel*	150Nm
Motor Type	BLDC MID-DRIVE
Ingress Protection (Motor)	IP54
Max Load capacity (certified)	295kg
Max Designed capacity	350Kg
Riding modes	ECO, STANDARD, SPORT & REVERSE

Chassis & Transmission

Chassis Type	Dual Steel Tubular Trellis Frame Structure.
Transmission Type	Chain Drive, Belt Drive
Transmission Ratio	7.1:1

Peripherals & Convenience

Head Light	Halogen (LED Optional)
Tailight	LED
Indicators	LED
Connectivity	GSM Mobile Connectivity
Mobile App	Conzo
Pillion grab handle	Yes

Battery Options

Pack Casing	Aluminium
Cell Type	LFP
Ingress Protection (Battery)	IP67
Nominal Voltage	48v
Internal Drive Check*	215Kms
Charging Time (20-80%)	1Hr (with chariot charging)
Fast Charging	Optional
Battery Capacity	4kWh
	(1.75kWh, 2.6kWh Optional)

Brake

Braking System	Combined Braking System
Brake Type(Front)	Drum brake -130 mm
Brake Type(Rear)	Drum brake -110 mm

Tyre & Wheel

Wheel	Spokes
Tyre Type	Tube tyre
Tyre size (Front & Rear)	2.5*16

Suspension

Front Suspension	Telescopic Fork
Rear Suspension	Spring loaded Dual adjustable Shock Absorber

Display Cluster

Battery voltage Indicator	Yes
Odometer	Yes
Speedometer	Yes
Battery SOC indication	Yes
RTR (Recommended Travel Range)	Yes
SmartMatrix Cluster	Yes

Dimensions

Length	1965mm
Width	690mm
Height	1100mm
Wheelbase	1350mm
Ground Clearance	160mm
Seat length	830mm



BHEEM

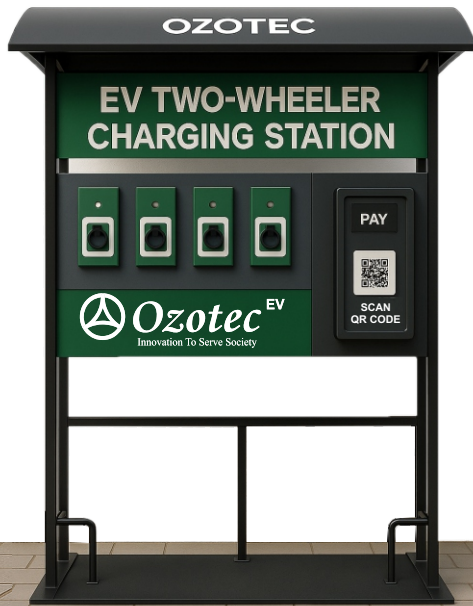
BHEEM

SmartMatrix Display

1. Low SOC Indication
2. Critical temperature Indication
(Buzzer activates (Alerts) when temperature exceeds 55°C)
3. Communication Error Detection
4. Hall Sensor Error Detection
5. Throttle Error Detection
6. Charge Cycle Count
7. Battery Voltage Indicator
8. Odometer and Speedometer
9. Battery SOC Indication
10. RTR (Recommended Travel Range)
11. High Brake Indication
12. High Beam Indication
13. Left and Right Indicator Indications



SmartMatrix Display



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BHEEM

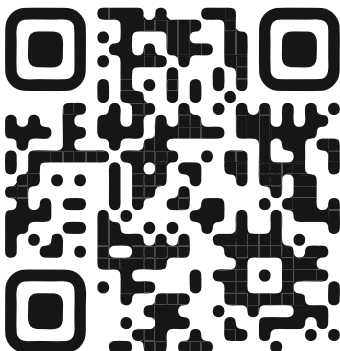
**BHEEM
LITE**

**flto
Pro**

**flto
Ultra**

**flto
Max**

**flto
Neo**



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