

# 2024 FLUX EM1

Product Specifications and Cost of Operation

## Vehicle Performance

Max Speed	38 mph	61 kph
Reg Speed (per state req)	30 mph	48 kph
Range, 1 battery	25 mi	40 km
Range, 2 batteries	50 mi	80 km
Acceleration w/ 2 batteries	0-30mph 0-48kph	< 5 sec
Incline w/ 180lb rider	20% grade	at 25mph at 40kph
Maximum Weight Capacity	330 lb	149.7 kg

## Motor

Power	1491W
Net Brake Horsepower	2bhp
Type	Direct Current Brushless
Mounting	Hub, Direct Drive
Motor Noise, Idle	0 dB
Motor Noise, Max	30 dB

## Battery

Type	Lithium Ion
	Nickel Manganese Cobalt
Battery Capacity	60V 26Ah
	1.56 kWh
Dimensions	2.9 in x 9.6 in x 14.1 in
	7.4 cm x 24.4 cm x 35.8 cm
Weight	22 lb
	9.98 kg
Connector	Standard bi-polar
Capacity	2 batteries, Removable
BMS	Under/Over Voltage Protection
	Thermal Protection

## Charger

Individual unit		
Dimensions	9.6 in x 3.9 in x 2.7 in	
	24.4 cm x 9.9 cm x 6.8 cm	
Weight	2.9 lb	1.3 kg
Charge Time	3 hours	
Electrical	Standard 120V power outlet	
Avg Charging Cost	\$0.14/charge	
	\$0.006/mile	\$0.004/km

## Control Systems

Motor Controller Type	Programmable Sine-Wave
Regeneration	Brake regeneration
Control Panel	Digital instrument cluster
Speedometer/Odometer	Direct digital reading
	Trip Odometer
Gauge	Battery status charge indicator
Lights	Low/High beam
	Turn Signals, Brake/Tail lights

## Suspension & Brakes

Brake Technology	Independent hydraulic disc brakes
Braking Distance	Far exceeds DOT requirement
Tire	3.5 x 10 Tubeless
Front Suspension	Telescopic twin-down tube fork
Rear Suspension	Coil-over, dual-shock

## Body & Chassis

Length	74.2 in	188.5 cm
Wheelbase	52.75 in	133.98 cm
Seat Height	31.3 in	79.5 cm
Width, w/o mirrors	27.3 in	69.3 cm
Width, w/mirrors	29.75 in	75.6 cm
GVWR	512 lb	234.24kg
Curb Weight, w/o battery	160 lb	72.6 kg
Curb Weight, w/1 battery	182 lb	82.6 kg
Curb Weight, w/2 batteries	204 lb	92.5 kg
Frame	Steel	
Paint Application	Electrostatic	
Capacity	1 rider	
	1 passenger	

## Regulatory

- Certified to meet US Department of Transportation (DOT) Federal Motor Vehicle Safety Standards
- Features a VIN number
- Can be registered and titled in all 50 US states
- As a motor vehicle, must be ridden in accordance to all applicable rules of the road
- Insurable with all major carriers
- In most states a driver's license is acceptable to ride
- Rules for parking depend on local ordinance

- Vehicle capacity is 2 people but allowed capacity depends on state law

## Maintenance Requirements

Tires	6,000 - 12,000 mi
	10,000 - 20,000 km
Brake Pads	12,000+ mi
	20,000+ km
Battery Cycle Rating	1000 charge cycles
Controller	3 year warranty
Motor	3 year warranty
Charger	2 year warranty
Battery	2 year warranty
All other non-consumable parts	2 year warranty
Warranty Includes	Part replacement

## Manufacture & Supply

Supply Chain	Developed in USA
	Assembled in China
Lead Time	70 days
Top Box Provider	SHAD
Helmet Provider	HJC
Cover Provider	Rapid Transit
Carrier Provider	MotoTote

## Pricing

Item	Price Per Unit
2024 Flux EM1	\$2,999
Individual Battery	\$990
Charger	\$95
Shad SH-29 Top Case	\$109.99
Shad SH-33 Top Case	\$123.99
Rapid Transit Waterproof Cover	\$84.99
HJC i30 Helmet	from \$149.99
HJC CS-5N Helmet	from \$89.99
MotoTote MTX m3 Carrier	\$599
MotoTote LED Light Kit	\$100
Grip-Lock	\$59.99

## Discounts

- To keep our price low and to maintain our independence, we manufacture to order. We take a 50% down payment with the balance due upon delivery. However, with full payment up front, Flux will provide you with a \$100 discount.