



LIGHTNING
MOTORCYCLES

STRIKE **RR**



Ride the Lightning®



Ride the Lightning®



Shown in Pearl White

Need to escape the stresses of the daily grind? Lightning offers an exhilarating solution. The Strike RR. Your escape mechanism. Built for the track and ready for the open road.

The Strike RR's liquid cooled Ultra Power Dense Axial Flux motor produces 194 horsepower (144kw) and 120 lb-ft (162nm) of torque at the motor shaft, 180hp (134kw) and 600 lb ft (813nm) of torque at the rear wheel. 481 lbs (218kg).

The Strike RR's lower weight compared to other electrics results in exceptional acceleration, handling, braking and power to weight ratio.

Power to weight ratio: .40 hp/lb - 194 hp / 481 lbs. / 600 lb ft torque

The Strike RR's throttle response has been tuned for phenomenally smooth and intuitive power delivery. Riders will have a sense of total control while setting lap times at the track or carving up your favorite back roads.



Rider Position

Lightning Strike* (Yellow)

Lightning LS-218 (Blue)

* For a more upright position – optional riser clip-ons and forward mounted pegs available



Design & Engineering



Shown in Quick Silver with fairing logo delete

Ergonomic focus on rider triangle geometry positions the seat, handlebars and foot pegs to make the Strike RR feel like a natural extension of the rider.

By sculpting the fairing and bodywork through extensive wind tunnel testing, computational fluid dynamic testing and internal competitive analysis indicates that the Strike is one of the most aerodynamically efficient electric motorcycle on the market today. When compared to other non-faired electric motorcycles the Strike achieves nearly 30% reduction in aerodynamic drag at 70 mph (112 kph) resulting in improved highway range.

Lightning's focus on weight reduction results in improved range, acceleration, handling, braking and power to weight ratio on all models.



Extensive wind tunnel and CFD (Computational Fluid Dynamic) testing

Engineered by Enthusiasts for Enthusiasts



Premium Standard Features



Shown in Lightning Blue Metallic, Pearl White and Racing Yellow

The Strike RR comes standard with Lightning's Performance Package which includes Öhlins suspension developed in collaboration with Lightning engineers and manufactured exclusively for the Strike RR, Brembo monoblock brakes, all carbon fiber body and fenders, Lightning design forged 7075 aluminum alloy wheels, keyless remote start, Lightning Smart Dash and a 23kWh battery pack. CCS Level 3 DC FC and J1772 Level 2 charging with a 3.3kw on-board charger. NACS J3400 compatible with adapter.



Strike RR comes Standard with Forged 7075 Alloy Aluminum Wheels in Silver or Black Anodized Finish

The Strike RR includes our competition 23kWh Lightweight Track Performance Battery.



Lightning Smart Dash Select Riding Modes, (Street, Performance, Track, Rain) Adjustable Regen and Charge Rate with the Lightning App



Strike RR



Shown in Graphite with Lightning fairing logo delete

Power and Torque

Power:

144 kw / 194 hp
@ motor shaft
134 kw / 180 hp
@ rear wheel

RPM

Max. 12,000

Weight

481 lbs / 218kg

Torque:

162 nm / 120 lb-ft
@ motor shaft
813 nm / 600 lb-ft
@ rear wheel

Performance

Top Speed:
200 mph / 320 kph
0 to 60 mph: 2.1 seconds*
0 to 100 kph: 2.1 seconds*

Power to weight ratio:

.40 hp/lb / .88 hp/kg

*Dependant on rider ability, weight,
weather and track conditions

Premium Standard Features

- CNC billet aluminum chassis & swing arm
- Ultra power dense Axial Flux liquid cooled motor
- CCS Level 3 DC Fast and J1772 Level 2 charging
- NACS J3400 compatible with adapter
- Battery pack: 23kWh Lightweight Track Performance
- 3.3kw Level 2 on-board charger
- Advanced Battery Management System
- Keyless remote start
- Lightning Smart Dash
- Carbon fiber body & fenders
- Öhlins suspension developed in collaboration with Lightning engineers and manufactured exclusively for the Strike RR
- Brembo Racing GP4 monoblock brakes
- Chain drive
- Lightning design forged 7075 alloy aluminum wheels
Choice of silver or black anodized finish
- Pirelli Diablo SuperCorsa tires
- LED lights and turn signals
- Five standard colors - Graphite, Quick Silver, Lightning Blue Metallic, Racing Yellow Metallic or Pearl White
- Corbin premium saddle
- Rear wheel spools



Strike RR



Strike RR comes standard with CCS Level 3 & J1772 Level 2 Charging NACS compatible

CHARGE TIMES

23kWh Battery Pack

35 minutes* 20% to 80% SoC with CCS Level 3 DC Fast Charging
NACS J3400 Compatible with adapter

* NOTE: Time may vary depending on charger and environmental factors

Safety

- ABS braking*
- Regen activated brake light
- Fast Charge redundant system safety sensing
- Kickstand position warning light

* Available Q3 2025

Convenience

- Reverse low speed assist
- Cruise control
- Rider defined regen, charge rate and selectable riding modes with the Lightning App

Options

- Öhlins steering stabilizer
- Custom paint color - select any PPG finish
- For a slightly more upright riding position - riser clip-on bars, forward pegs and brake lever assembly
- Removable CNC aluminum rear foot pegs
- BST carbon fiber wheels
- Carbon fiber swing arm (competition use only)
- Drag race removable swing arm extensions
- Road race package
- LSR (Land speed record) – Tachyon Carbon Fiber Aero Body



Specifications & Performance

Strike RR

Motor	Ultra Power Dense Axial Flux - Liquid cooled
Electronics	Liquid cooled
Body / Chassis & Swingarm	Carbon fiber / CNC billet aluminum alloy (Concentric / eccentric mount for tuning weight transfer)
Transmission (none)	Chain direct drive – Front sprocket 520 / Rear sprocket aluminum 520 / 520 racing chain
Battery	23kWh – Lightweight Track Performance Pack
Suspension	Front: Ohlins / Lightning Part Number LM-02010_A_SRR – built by Ohlins exclusively for Strike RR Öhlins FGRT inverted fork – dyno tuned by Ohlins / Lightning exclusively for the Strike RR – NIX30 cartridge internals, TiN surface treatment, billet aluminum radial caliper mountings, fully adjustable for preload, ride height, high and low speed compression and rebound Rear: Ohlins / Lightning Part Number LM-08170_A_SRR – built by Ohlins exclusively for Strike RR Öhlins TTX36 shock and linkage system, fully adjustable for preload, ride height, high and low speed compression and rebound. Optional carbon fiber swing arm available.
Brakes	Front: Brembo Racing GP4-RX CNC billet radial 4-piston calipers, Dual Brembo T-Drive 320mm fully floating rotors. Rear: Brembo
Wheels	Lightning forged 7075 alloy aluminum Front: 3.5"x17" Rear: 6.0"x17"
Tires / Lean Angle	Front: 120/70ZR17 Rear: 190/55ZR17 Pirelli Diablo SuperCorsa / Up to 60 degrees
Dash	Lightning Smart Dash
Regenerative Braking / Charge Rate	Programmable with the Lightning App
Riding Modes	Street, Performance, Track & Rain – selectable with the Lightning App
Seat Height (Rider accommodation only)	32" (81cm) – adjustable from 29" (60cm) to 35" (100cm) Foot pegs have significant adjustability
Weight	481 lbs./ 218 kg

Performance

Power / Torque	194 hp (144kw) / 120 lb-ft (162nm) torque @shaft 600 lb ft (813nm) torque @ rear wheel
Maximum RPM / Power to weight	12,000 / .40 hp/lb
0 to 60 mph* / Top Speed	2.1 seconds* / 200 mph (315 kph) * Dependant on rider ability and track conditions



23kWh Battery Range

23kWh Battery (SAE J2982 Riding Range Test vs Real-World Riding Range)

23kWh Usable	Per SAE J2982 Range Test		Real-World Riding	
Route Type	Miles per Full Charge	Calculation*	Miles per Full Charge	Calculation*
City Avg: 30mph Max 40mph	426	Urban Riding Stop & Go	360	Based on Real-World Tests w/WLTP & EPA Test Protocol
Highway 55mph	229	Highway 55mph	215	Based on Real-World Tests w/WLTP & EPA Test Protocol
Combined City & Highway at 55mph (50/50)	320	Highway at Average 55mph	280	Based on Real-World Tests w/WLTP & EPA Test Protocol
Highway 65mph	180	Highway 65mph	130	Based on Real-World Tests w/WLTP & EPA Test Protocol
Combined City & Highway at 65mph (50/50)	292	Highway at Average 65mph "Highway Commuting Range"	255	Based on Real-World Tests w/WLTP & EPA Test Protocol

***PLEASE NOTE - ACTUAL RESULTS WILL VARY**

Range will be affected and vary by riding style (low speed vs high speed / throttle modulation / acceleration rate), weight (rider and cargo), rider position (tuck vs upright), route (city vs highway / flat vs grades / straight vs winding), weather conditions (wind, temperature, humidity and precipitation), tire pressure and proper maintenance.



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