

**BLACK TEA MOTORBIKES**



# BLACK TEA MOTORBIKES

## Dimensions

Length: 1900 mm  
Width: 700 mm  
Height: 1250 mm  
Wheelbase: 1300 mm  
Fork Angle: 24.5 °

## Weight & Load

Gross Vehicle Weight Restriction: 260 kg  
Total Curb "Wet" Weight (1 battery): 100 kg  
Total "Dry" Weight: 88 kg

## Body

Frame, Swing Arm, Box, Side Panels & Fenders are made from high-quality steel  
Frame: Steel Tube Chassis  
Anti-Theft Protection: Steering Lock

## Drivetrain

Type: Hub Permanent magnet motor (PSM)  
Rated Power: 3 kW at 450 RPM  
Peak Power: 4 kW at 480 RPM  
Torque: 195 Nm  
Environmental Protection: IP54

## Speed

Top Speed: 70km/h  
Cruising Speed: 45 km/h (restricted)  
Ride Modes: Eco, Normal & Sport  
Features: Ride Modes with different torque, acceleration & top speed

## Range per Battery

Eco Mode: 65 km  
Normal Mode: 55 km  
Speed Mode: 50 km (WMTC-II tested)

## Charging

Type: External charger for standard outlets  
5 A charger: 6 hours  
10 A charger: 3 hours

## Battery

Cells: Premium 18650 Li-Ion cells  
Configuration: 14S12P  
Voltage: 51.8 V  
Capacity: 35 Ah / 1.8 kWh  
Peak Current: ~80 A  
Battery Voltage Range: 44 - 58.8 V  
Dimensions: 310 x 220 x 100 mm  
Weight: 11.5 kg  
Connector: QS8-S Anti Spark  
Life Cycle: Rated for 800 Charge Cycles  
Features: Removable, Two batteries fit in the Bonfire, Can be charged while installed

## ECU

Controller Type: Electronic Sine Wave (BLDC)  
Environmental Protection: IP66  
Features: Enhanced Regenerative Braking, Hardware Over-Current and Over-Voltage Protection, Low Voltage Battery Protection, Fault Codes, Aluminium Housing for Maximum Heat Dissipation

## Electronics & Dashboard

Throttle Type: Full Twist DOMINO Hall (IP66)  
Display: Battery SoC, voltage, speedometer, odometer, trip meter, ride mode, and tell-tales.  
Remote Key for starting vehicle & alarm

## Brakes & Recuperation

Type: Combined Hydraulic Brake System (CBS)  
Front: 265 mm Disc with 3 mm thickness  
Rear: 180 mm Disc with 3 mm thickness  
Brake Fluid Type: DOT 4  
Regenerative Braking: As you release the throttle you feel the bike slowing down

## Suspension

Front: Hydraulic forks featuring 31mm tubes for extra rigidity and strength.  
Travel: 200mm  
Rear: Adjustable 335mm dual shocks

## Wheels

Rim (front): 1.85 x 18" 36 spoked rims  
Rim (rear): 2.15 x 18" 36 spoked rims  
Tire (front): 3.25 x 18" Heidenau K36  
Tire (front): 90/90 x 18" Heidenau K60  
Tire (front): 110/80 x 18" Heidenau K36 or K60

## Regulatory

Class: L1e-B (EU) / Motor-Driven Cycle (USA)  
License requirement: AM or B (EU) / M1 (USA)

**BLACK TEA MOTORBIKES**



**BONFIRE**

# BLACK TEA MOTORBIKES

## Dimensions

Length: 1900 mm  
Width: 700 mm  
Height: 1250 mm  
Wheelbase: 1300 mm  
Fork Angle: 24.5 °

## Weight & Load

Gross Vehicle Weight Restriction: 260 kg  
Total Curb "Wet" Weight (1 battery): 100 kg  
Total "Dry" Weight: 88 kg

## Body

Frame, Swing Arm, Box, Side Panels & Fenders are made from high-quality steel  
Frame: Steel Tube Chassis  
Anti-Theft Protection: Steering Lock

## Drivetrain

Type: Hub Permanent magnet motor (PSM)  
Rated Power: 3 kW at 550 RPM  
Peak Power: 4 kW at 600 RPM  
Torque: 180 Nm  
Environmental Protection: IP54

## Speed

Top Speed: 80 km/h  
Cruising Speed: 70 km/h  
Ride Modes: Eco, Normal & Sport  
Features: Ride Modes with different torque, acceleration & top speed

## Range per Battery

Eco Mode: 60 km  
Normal Mode: 55 km (WMTC-II tested)  
Speed Mode: 45 km

## Charging

Type: External charger for standard outlets  
5 A charger: 6 hours  
10 A charger: 3 hours

## Battery

Cells: Premium 18650 Li-Ion cells  
Configuration: 14S12P  
Voltage: 51.8 V  
Capacity: 35 Ah / 1.8 kWh  
Rated Current: ~80 A  
Battery Voltage Range: 44 - 58.8 V  
Dimensions: 310 x 220 x 100 mm  
Weight: 11.5 kg  
Connector: QS8-S Anti Spark  
Life Cycle: Rated for 800 Charge Cycles  
Features: Removable, Two batteries fit in the Bonfire, Can be charged while installed

## ECU

Controller Type: Electronic Sine Wave (BLDC)  
Environmental Protection: IP66  
Features: Enhanced Regenerative Braking, Hardware Over-Current and Over-Voltage Protection, Low Voltage Battery Protection, Fault Codes, Aluminium Housing for Maximum Heat Dissipation

## Electronics & Dashboard

Throttle Type: Full Twist DOMINO Hall (IP66)  
Display: Battery SoC, voltage, speedometer, odometer, trip meter, ride mode, and tell-tales.  
Remote Key for starting vehicle & alarm

## Brakes & Recuperation

Type: CBS Hydraulic Disc Brake  
Front: 265 mm Disc with 4 mm thickness  
Rear: 180 mm Disc with 3 mm thickness  
Brake Fluid Type: DOT 4  
Regenerative Braking: Activates when you brake

## Suspension

Front: Hydraulic forks featuring 31mm tubes for extra rigidity and strength.  
Travel: 200mm  
Rear: Adjustable 335mm dual shocks

## Wheels

Rim (front): 1.85 x 18" 36 spoked rims  
Rim (rear): 2.15 x 18" 36 spoked rims  
Tire (front): 3.35 x 18" Heidenau K36  
Tire (front): 90/90 x 18" Heidenau K60  
Tire (front): 110/80 x 18" Heidenau K36 or K60

## Regulatory

Classification: L3e-A1 (EU) / Motorcycle (USA)  
License requirement: A1 or B196 (EU) / M2 (USA)

**BLACK TEA MOTORBIKES**

# **BONFIRE X**



# BLACK TEA MOTORBIKES

## Dimensions

Length: 1900 mm  
Width: 700 mm  
Height: 1250 mm  
Wheelbase: 1300 mm  
Fork Angle: 24.5 °

## Weight & Load

Gross Vehicle Weight Restriction: 260 kg  
Total Curb "Wet" Weight (1 battery): 112 kg  
Total "Dry" Weight: 88 kg

## Body

Frame, Swing Arm, Box, Side Panels & Fenders are made from high-quality steel  
Frame: Steel Tube Chassis  
Anti-Theft Protection: Steering Lock

## Drivetrain

Type: Hub Permanent magnet motor (PSM)  
Rated Power: 5 kW at 750 RPM  
Peak Power: 8 kW at 800 RPM  
Torque: 195 Nm  
Environmental Protection: IP54

## Speed

Top Speed: 100km/h  
Cruising Speed: 90 km/h  
Ride Modes: Eco, Normal & Sport  
Features: Ride Modes with different torque, acceleration & top speed

## Range

Eco Mode: 100 km (WMTC-II tested)  
Normal Mode: 80 km  
Speed Mode: 60 km

## Charging

Type: External charger for standard outlets  
5 A charger: 6 hours  
10 A charger: 3 hours

## Battery

Cells: Premium 18650 Li-Ion cells  
Configuration: 2 x 14S12P  
Voltage: 104 V  
Capacity: 35 Ah / 3.6 kWh  
Rated Current: ~80 A  
Battery Voltage Range: 88 - 117.6 V  
Dimensions: 310 x 220 x 100 mm  
Weight: 11.5 kg  
Connector: QS8-S Anti Spark  
Life Cycle: Rated for 800 Charge Cycles  
Features: Removable, Two batteries fit in the Bonfire, Can be charged while installed

## ECU

Controller Type: Electronic Sine Wave (BLDC)  
Environmental Protection: IP66  
Features: Enhanced Regenerative Braking, Hardware Over-Current and Over-Voltage Protection, Low Voltage Battery Protection, Fault Codes, Aluminium Housing for Maximum Heat Dissipation

## Electronics & Dashboard

Throttle Type: Full Twist DOMINO Hall (IP66)  
Display: Battery SoC, voltage, speedometer, odometer, trip meter, ride mode, and tell-tales.  
Remote Key for starting vehicle & alarm

## Brakes & Recuperation

Type: CBS Hydraulic Disc Brake  
Front: 265 mm Disc with 4 mm thickness  
Rear: 180 mm Disc with 3 mm thickness  
Brake Fluid Type: DOT 4  
Regenerative Braking: Activates when you brake

## Suspension

Front: Hydraulic forks featuring 31mm tubes for extra rigidity and strength.  
Travel: 200mm  
Rear: Adjustable 335mm dual shocks

## Wheels

Rim (front): 1.85 x 18" 36 spoked rims  
Rim (rear): 2.15 x 18" 36 spoked rims  
Tire (front): 3.35 x 18" Heidenau K36  
Tire (front): 90/90 x 18" Heidenau K60  
Tire (front): 110/80 x 18" Heidenau K36 or K60

## Regulatory

Classification: L3e-A1 (EU) / Motorcycle (USA)  
License requirement: A1 or B196 (EU) / M2 (USA)

**BLACK TEA MOTORBIKES**



# **BONFIREY**

# BLACK TEA MOTORBIKES

## Drivetrain

Rated Power: 8 kW at 850 RPM  
Peak Power: 11 kW at 960 RPM  
Torque: 250 Nm  
Type: PSM Hub Motor

## Ride Modes

Top Speed: 120 km/h  
Cruising Speed: 105 km/h  
Ride Modes: Eco, Normal & Sport  
Features: Ride Modes with different torque, acceleration & top speed

## Dimensions

Length: 1900 mm  
Width: 700 mm  
Height: 1250 mm  
Wheelbase: 1300 mm  
Fork Angle: 24.5°

## Weight & Load

Gross Vehicle Weight Restriction: 260 kg  
Total Curb "Wet" Weight: 116 kg  
Total "Dry" Weight: 94 kg

## Body

Frame, Swing Arm, Box, Side Panels & Fenders are made of high-quality steel  
Frame: Steel Tube Chassis  
Anti-Theft Protection: Steering Lock & Alarm

## Range

Eco Mode: 80 km  
Normal Mode: 65 km  
Speed Mode: 50 km

## Charging

Type: 2 x External charger for standard outlets  
5 A charger: 6 hours  
10 A charger: 3 hours

## Battery

Cells: 18650 Li-Ion cells  
Configuration: 2 battery packs, Removable  
Voltage: 104 V  
Capacity: 35 Ah / 3.6 kWh  
Rated Current: ~100 A  
Dimensions: 310 mm x 220 mm x 100 mm  
Weight: 2 x 11 kg  
Connector: QS8-S Anti Spark  
Life Cycle: Rated for 800 Charge Cycles

## ECU

Controller Type: Electronic Sine Wave (BLDC)  
Environmental Protection: IP66  
Features: Enhanced Regenerative Braking, Hardware Over-Current and Over-Voltage Protection, Low Voltage Battery Protection, Fault Codes, Aluminium Housing for Maximum Heat Dissipation

## Electronics & Dashboard

Throttle Type: Full Twist DOMINO Hall (IP66)  
Display: Battery SoC, voltage, speedometer, odometer, trip meter, ride mode, and tell-tales.  
Remote Key for starting vehicle & alarm

## Brakes & Recuperation

Type: CBS Hydraulic Disc Brake  
Front: 265 mm Disc with 4 mm thickness  
Rear: 180 mm Disc with 3 mm thickness  
Brake Fluid Type: DOT 4  
Regenerative Braking: Activates when you brake

## Suspension

Front: Hydraulic forks featuring 31mm tubes  
Travel: 200mm  
Rear: Adjustable 335mm dual shocks

## Wheels

Rim (front): 1.85 x 18" 36 spoked rims  
Rim (rear): 2.15 x 18" 36 spoked rims  
Tire (front): 3.25 x 18" Heidenau K36  
Tire (front): 90/90 x 18" Heidenau K60  
Tire (rear): 110/80 x 18" Heidenau K36 or K60

## Regulatory

Classification: L3e-A1 (EU) / Motorcycle (USA)  
License requirement: A1 or B196 (EU)