No.	Image	Project Name	Status	Platform	Notes
1		G3 Battery (21700) Up to 1,200 Wh	Tooling Completed Trial Production Awaiting Certificaitons	PowerBlade Platform (2024-2025)	Custom Battery case designed to use newer 21700 cell format
2		G2 Battery (18650) Up to 998 Wh	Tooling Completed Mass production with UL certs	Legacy Bikes	Custom Battery case designed to use 18650 cell format
3		Juiced 2nd Generation - Color Display with Bluetooth	Tooling Completed Limited Production	PowerBlade Platform (2024-2025)	Custom color display used across all bikes
4		PowerBlade Downtube Controller	Tooling Completed Mass Production	PowerBlade Platform (2024-2025)	Aluminum injection mould used for the motor controller mounted on the downtube
5		V4 Battery Interface	Tooling Completed Mass Production	PowerBlade Platform (2024-2025)	Several moulds used to make the Battery Interface used on our newer bikes starting from the JetCurrent Pro
6		V3 Battery Interface	Tooling Completed Mass Production	Legacy Bikes	Plastic Injection Mould used to make the older style battery lock interface

No.	Image	Project Name	Status	Platform	Notes
7		Battery lower Interface	Tooling Completed Mass Production	All Bikes	Plastic Injection Mould used for the Lower mounting base for the battery
8		HeadBanger Bluetooth Headlight	Tooling Completed Limited Production	2024+ Bikes	a plastic injection and aluminum injection tool used to make the body of the Bluetooth headlight
9		Shadow Blaster Headlight	Tooling Completed Mass Production	PowerBlade Platform (2024-2025)	Custom designed headlight with integrated horn
10		Horn + Light Switch 喇叭+灯开关	Tooling Completed Mass Production	PowerBlade Platform (2024-2025)	plastic injection mould use to make the custom combination light switch
11		Heavy duty suspension fork	Tooling Completed Mass Production	2024+ Bikes	Injection Aluminum mould used to make the heavy duty fork used on 20" bikes moving forward
12		Motor - RetroBlade Motor	Tooling Completed Mass Production	Legacy Bikes	Exclusive motor developed with our supplier Bafang

No.	Image	Project Name	Status	Platform	Notes
13		Motor - NeoBlade Motor Fat	Tooling Completed Mass Production	PowerBlade Platform (2024-2025)	Exclusive motor developed with our supplier Bafang
14		Headlight and Signal light holder	Tooling Completed Mass Production	PowerBlade Platform (2024-2025)	Aluminum injection mould used to hold the headlight and signal lights
15		Battery Discharge Connector	Tooling Completed Mass Production	PowerBlade Platform (2024-2025)	Custom discharge Connector Used on PowerBlade Platform Bikes used
16		Strong quick release plate	Tooling Completed Mass Production	2024+ Bikes	Quick Release plate used for the bike rack
17		RelayRack Front Basket	Tooling Completed Mass Production	2024+ Bikes	Custom basket designed to fit on the front or rear of our bikes
18		RelayBasket Liner	Tooling Completed Trial Production	2024+ Bikes	Hard shell basket liner for the relay basket

No.	Image	Project Name	Status	Platform	Notes
19		Cargo RelayCarrier	Tooling Completed Mass Production	All Bikes	Cargo Rack tooling sold as accessory for loading larger cargo delivery box/bags
20		Wideformat Downtube 1	Tooling Completed Mass Production	Legacy Bikes	Extrusion tool used to make the downtube used for older generation bikes
21		Wideformat Downtube 2	Tooling Completed Mass Production	2024+ Bikes	Extrusion tool used to make the downtube used for newer generation bikes
22		RipRacer Pro frame tooling - Battle (new for 2025)	Tooling Completed Trial Production	2025 Launch	Various frame tools used to make the frame of the RipRacer Pro
23		JetCurrent Pro frame tooling - Battle (2024)	Tooling Completed, Mass Production	2024-2025 Bikes	Various frame tools used to make the JetCurrent Pro
24		RipCurrent S Frame Tooling - Battle (2023)	Tooling Completed, Mass Production	2023 Bikes	Various tools used to make the frame of the RipCurrent S

Juiced Bikes - JetCurrent Pro - Feature Highlights Overview

This document is a detailed overview of some of the key features found on the JetCurrent Pro.
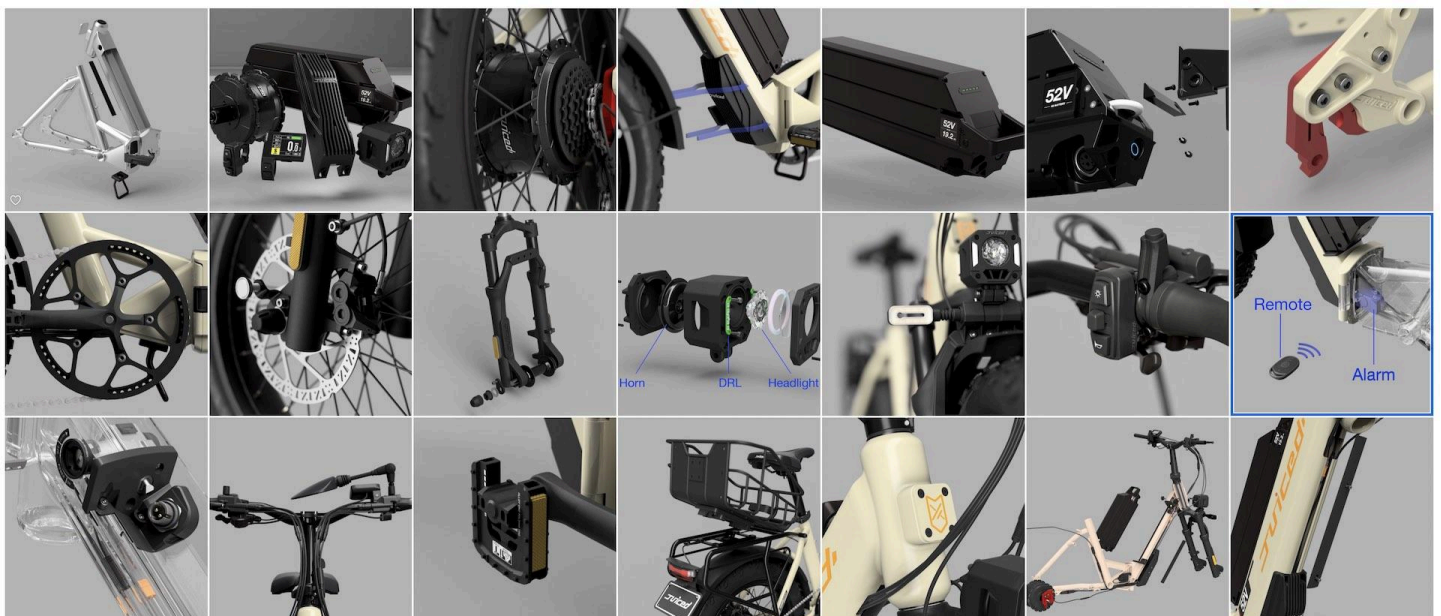
This document is part of the JetCurrent Pro's launch Press Kit

High resolution images of each Feature Highlight can be found here

Robust Folding Frame

Framing the Discussion

The JetCurrent PRO's robust aluminum frame features a wide step thru section and a beefy custom designed folding hinge. The rigidity of the frame can be felt the moment you sit on the saddle.

The reinforced downtube has a CNC cut out section to accommodate the large semi-integrated 52V battery while maintaining a low step-thru section for easier boarding. The battery can be removed in less than 3 seconds without first folding the frame or removing the seat. The battery removal can even be accomplished with one hand reducing the weight of the folded bike for easier transport.

The updated rear dropout integrates the torque sensor mount, fender, rack and passenger foot peg mounts onto a single forged plate. A front accessory mount is available for mounting items such as a front basket or racks.

- Step over design for easy boarding and full rear rack access
- Front accessory mount
- Dropout integrated rack boss
- Custom designed heavy duty hinge and lever
- Water bottle cage mount
- 300lb weight capacity

PowerBlade Electronics Platform

Powering the Future

The JetCurrent Pro is the first e-bike to debut the Juiced PowerBlade electronics platform featuring a customized hub motor, a standardized motor controller and our G2 dock-able battery. This in-house developed electronics platform sets the stage for the next generation of e-bikes built around safety, reliability, performance and serviceability across multiple vehicle form-factors.

- In-house developed PowerBlade electronics platform built around safety, performance and serviceability.
- Powerful 1,200W (2,000W peak) motor with proportional torque and cadence-sensing pedal assist.
- Optional color display with bluetooth communications and OTA capabilities
- Integrated headlight, horn, turn signals and wireless alarm with remote startup
- 40A controller mounted along the downtube for optimal cooling and lower center of mass
- Hardware and software platform accommodates future performance upgrades
- Modular electronics platform extends across multiple vehicle form factors
- All electronics certified to UL standards

Custom 1200W Motor

Specific Excess Power

The JetCurrent Pro debuts a new motor that was developed in partnership with Bafang, one of the leading motor manufacturers in the e-bike space. The new motor provides 1,200W nominal power and up to 2,000W peak performance.

Accelerate up hills with 105 Nm of torque on the 20" wheel platform. Experience instant acceleration and butter smooth pedal assist with top speeds up to 34 mph in Race Track Mode. The JetCurrent Pro has the highest power to weight ratio of any folding bike on the market.

- 2,000 W peak
- 1,200 W Nominal
- 105 NM Torque
- Up to 34 MPH pedal assist
- Up to 30 MPH throttle only (electronically limited)
- Shimano cassette standard
- M14 Axle

40 Amp Motor Controller
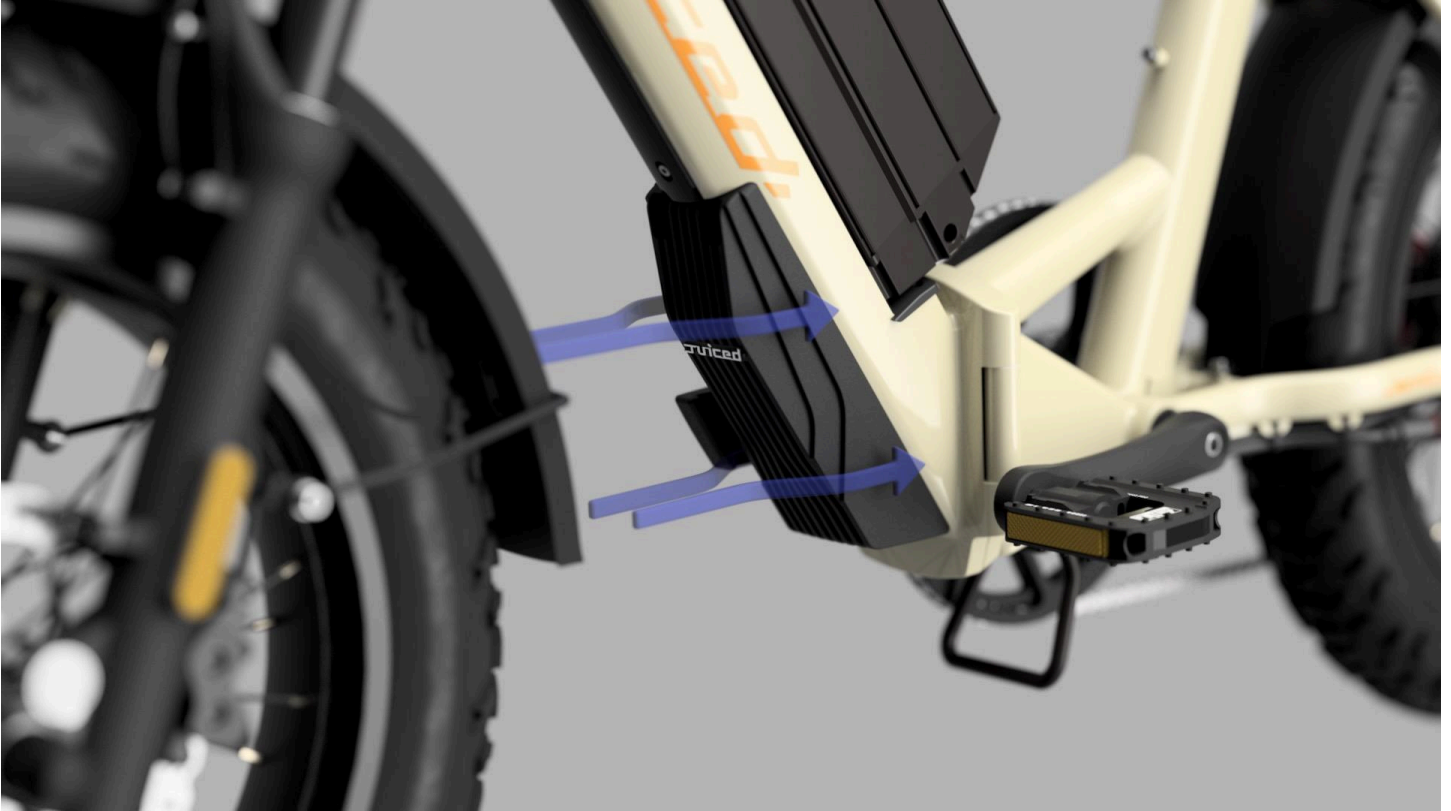
Perfect Power Delivery

Power is delivered to the motor with our exclusive PowerBlade Motor Controller punching out 40 amps of peak current and 2,000 watts power, making it one of the highest performance motor controllers on a production folding e-bike.

The motor controller's cast aluminum enclosure is mounted externally on the bike's frame, freeing up more space for extra battery capacity, while allowing for better cooling and lower center of mass.

The optimized architecture ensures easy serviceability and compatibility across vehicle types. The future-proof design of the hardware and software allow for performance upgrades when available.

- 40A Peak current
- Direct airflow cooling
- Easy to service design
- Modular platform
- Cruise control
- Reduced motor cable length
- Lower center of mass
- Fully potted protection

52V G2 Battery

52V / 19.2 Ah Dockable G2 Battery with 995 Wh

The exclusive Juiced G2 battery packs nearly one kWh of capacity in a compact form factor. Running at the higher 52V provides for more power for less current draw. This standard battery pack has been the workhorse of the Juiced Bikes fleet for several years and compatible with every 52V bike we have ever produced. The hidden Apple AirTag compartment helps with locating the bike and the removable handle makes carrying the pack easier. The pack has been recently updated to achieve certification to UL-2271 standards.

- 52V Platform pioneered by Juiced Bikes for production e-bikes
- Dockable design with dual discharge ports
- Integrated Apple AirTag tracker compartment
- IP65 Water resistance
- 40A Peak Discharge
- Super fast 10A charge port
- Certified to UL-2271 standards, UN 38.3
- Backward compatible with every 52V bike we have ever made

Precision Torque Sensor
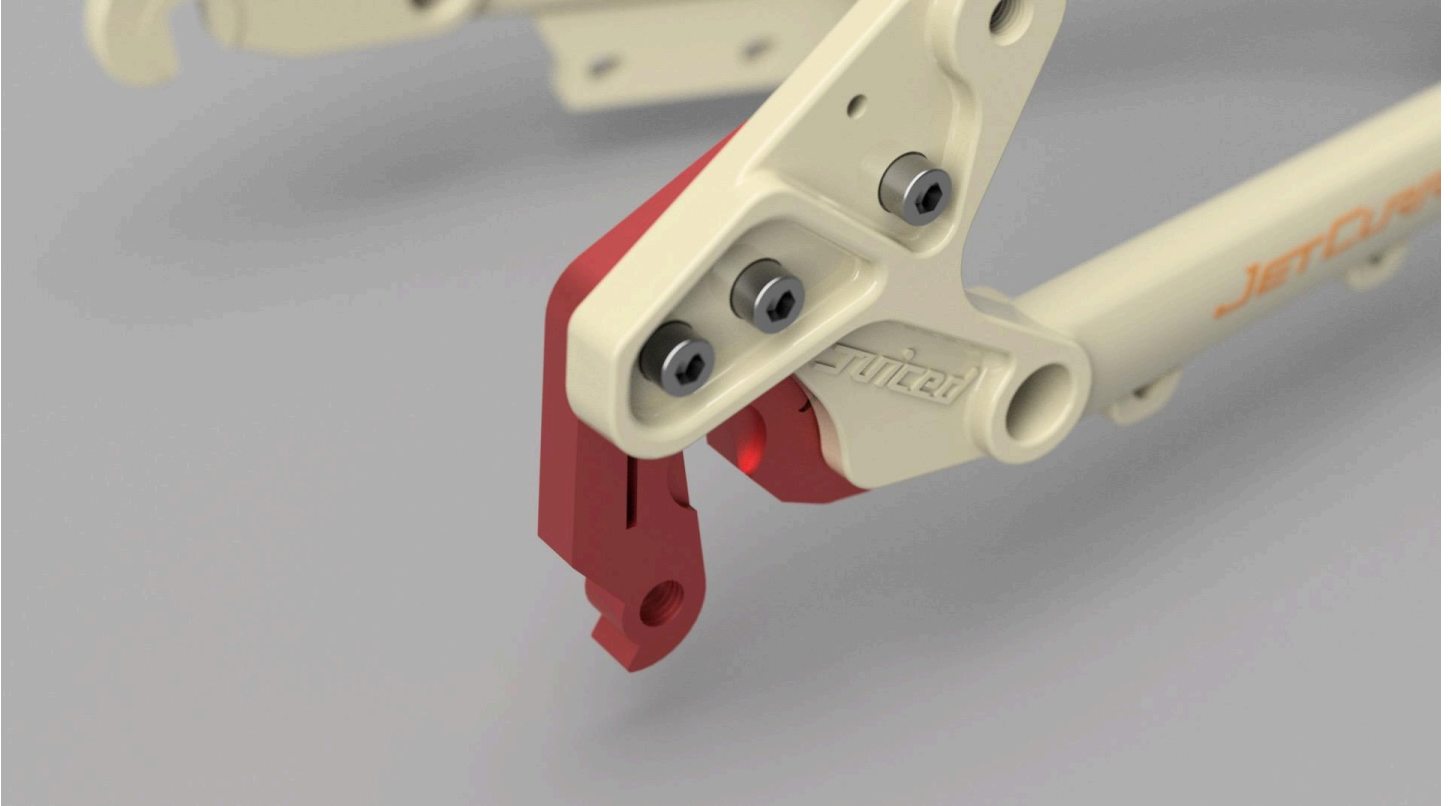
Precision Torque Sensor with Bi-Directional Cadence sensor

The JetCurrent Pro receives our updated torque sensor. Pedal torque is measured at 1,000 samples per second while the cadence sensor can measure over 100 poles per revolution. The updated sensor can measure cadence in forward and backward directions, features larger M14 dropout to accommodate the larger motor axle and a refreshed red anodized finish.

The pedal assist algorithm has been expertly re-tuned to fully exploit the power of the new 40 Amp motor controller. The increased motor power and torque provides an unbroken pedal amplification effect well past 30 mph.

- Precision pedal torque measurement
- Bi-directional measures forward and backwards pedaling
- Larger M14 dropout to support stronger axles
- Red anodized finish

60T Chainring
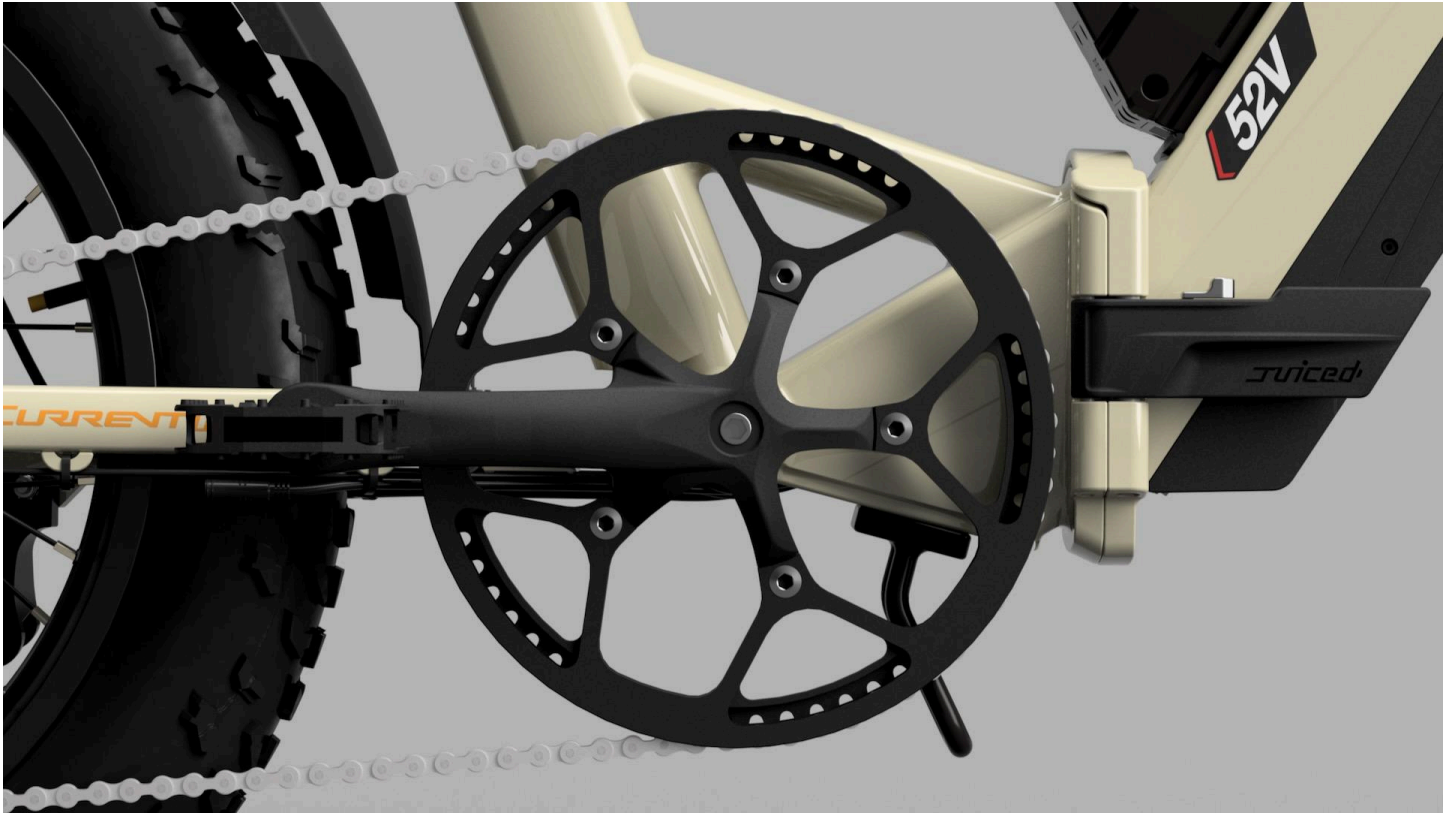
Massive 60T Chainring Shoehorned on a Folding E-bike

Pedaling at high speeds on 20" tires requires a big gear ratio. With a short chainstay and a large folding hinge to contend with, the JetCurrent Pro's frame literally needed to be designed around a massive 60T chainring. When paired with the smallest 11T rear cassette, the rider can comfortably pedal at high speeds - extending range with fitness benefits.

4 Piston Hydraulic Disc Brakes

Serious Stopping Power

The JetCurrent comes standard with one of the most powerful braking systems available for e-bikes. The front and rear 4 piston hydraulic calipers coupled with a 203mm front rotor gives the e-bike astonishing stopping power with an incredible amount of modulation under hard braking. The large brake pad improves brake performance and pad life with reduced noise. Shimano 4 piston D03S pad specification ensures replacement pads are easily sourced.

- Front and rear 4 piston hydraulic disc brakes
- Front 203 mm rotor
- Rear 180 mm rotor
- Motor inhibitors (Brake sensors)
- 4 Finger blade with ball end
- 8 mm mirror mount

Moped Suspension Fork

Moped-Rated Suspension Fork

The JetCurrent Pro's performance envelope far exceeds the specifications created for traditional bicycles and e-bicycles. The front suspension fork that we demanded did not exist, so we needed to custom develop a fork with a whole new set of requirements unseen in the e-bike industry.

The fork features robust locking dropouts that are 3x thicker than typical e-bike forks. A solid M14 front axle ensures the front hub stays in place under hard braking to exploit the full potential of the 4-piston hydraulic disc brakes. The fork bridge has been made significantly thicker and with 3 mounting points for attaching the headlight, turn signals and front fender mount.

- Heavy duty design for Class 3+ e-bikes
- Reinforced M14 locking dropouts
- 3 point light and fender mount
- Hydraulic lockout function
- 100 mm travel
- Preload adjustment

ShadowBlaster Headlight
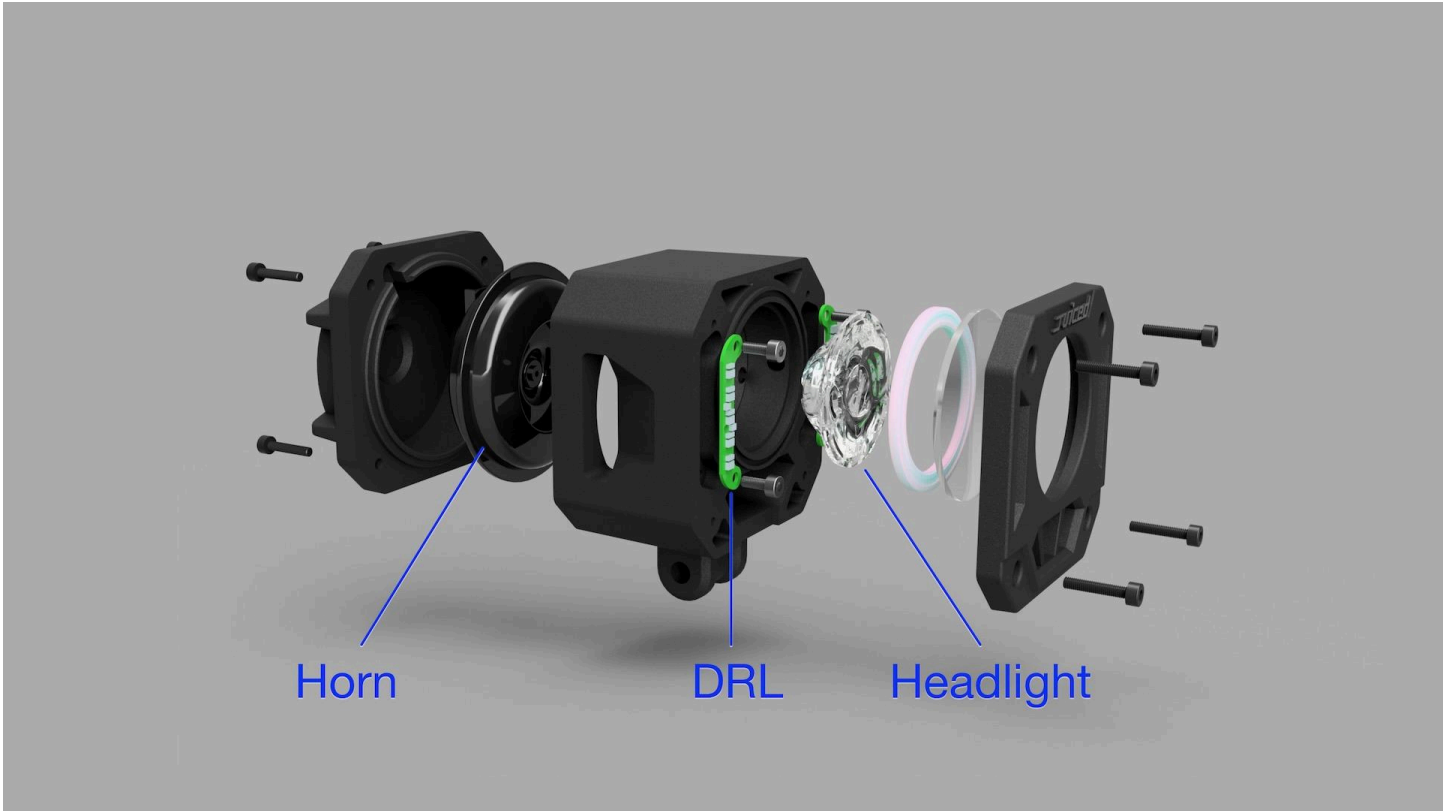
See, be seen and be heard

The JetCurrent Pro features our patented ShadowBlaster headlights. Attention grabbing DRL function brings added safety in all conditions and a new identity to the Juiced Bikes model line. The main beam is a powerful 1,050 lumen headlight to properly light your path in dark environments. Integrated within the headlight's body is a real 100dB motorcycle horn, a must-have safety feature for modern fast-moving and quiet electric vehicles.

- 1,050 Lumen
- CREE 12 Watts
- Dual daytime running lights (DRL)
- Integrated 100 dB motorcycle horn
- 12-80 V Wide voltage input
- Rugged cast aluminum body
- Powered by main battery
- Water resistant to IP65

Motorcycle Spec Turn Signals

Confident in Traffic

The JetCurrent Pro comes with motorcycle-spec front turn signals. Rear turn signals are integrated directly on the tail light. A bright brake light and always-on tail light makes the rider feel more confident in traffic.

- Motorcycle spec front signals are wider and brighter for improved visibility in traffic
- Turn signals with audible alert
- Illuminated license plate holder as required for motorcycles
- Always on tail light function

Combo Switch

The Perfect Switch

We developed a special combo switch with a narrow profile, designed to be reachable and avoid interference with the trigger shifter, brake lever, throttle and mirror mounts. The switch is right and left-side mountable with good tactile feedback even when wearing gloves. Inside the body of the combo switch includes the signal flasher module and a piezoelectric chime to help remind the rider that the signal light has been activated.

- Patented design with a narrow profile to avoid interference with other cockpit parts
- Headlight switch with flash-to-pass function
- Signal light switch with activation chime sound
- Tactile feedback for operation with gloves
- Integrated signal light flasher module

Integrated Alarm System
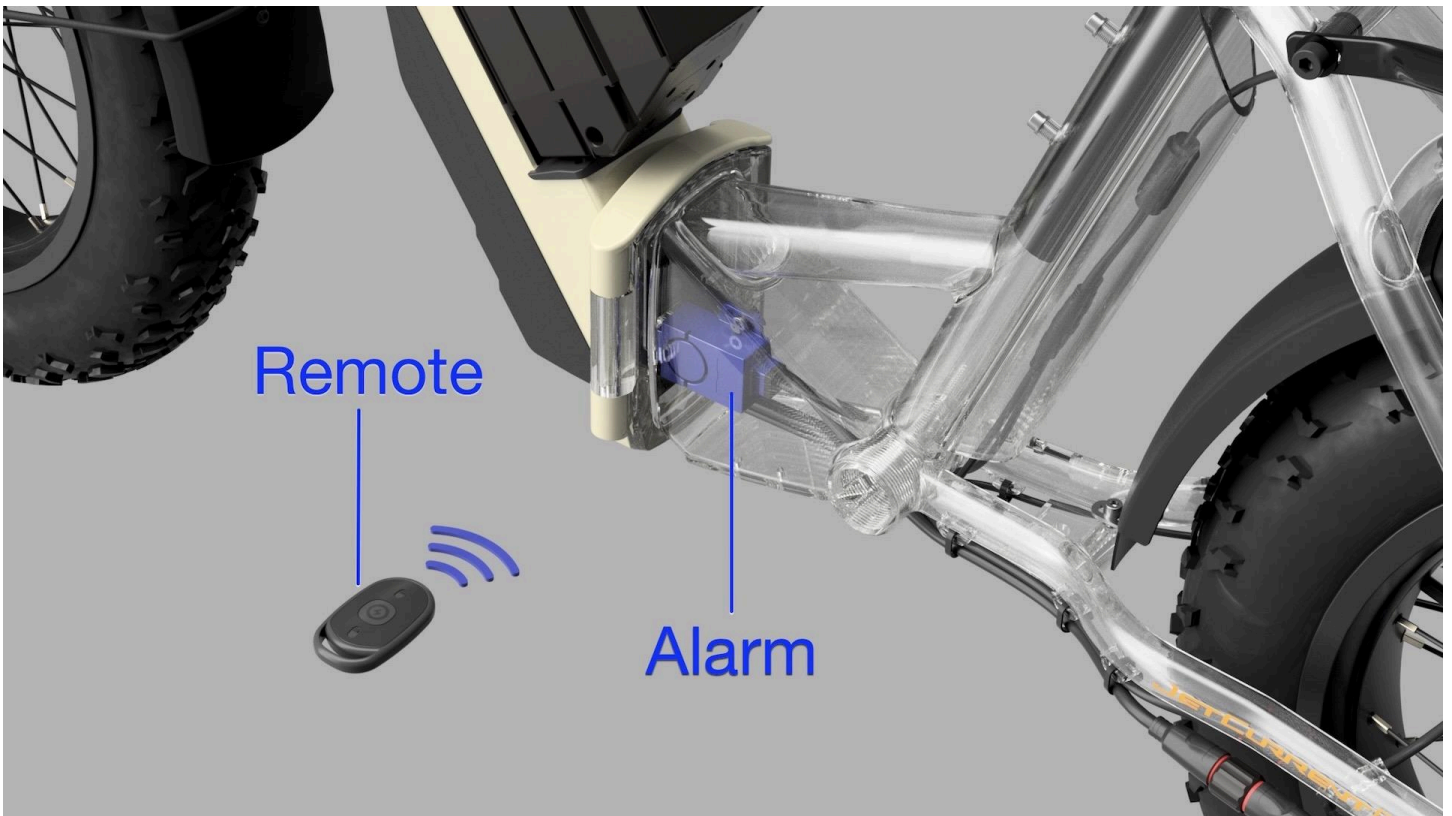
Protection from the Start

The JetCurrent Pro features an integrated alarm system with wireless keychain remote. The wireless remote can power up and power down the bike from up to 100 feet away. The alarm is powered by the main battery and hidden in a compartment within the frame.

- Remote fob allows you to start up and shutdown without a key from up to 100 feet away
- Motion trigger alarm system to deter thieves
- Panic mode can be triggered from the remote control
- The alarm system can re-learn up to 2 remotes

Battery Lock Interface

Redesigned Battery Lock Interface

The JetCurrent Pro gets an updated battery interface that allows the key to function both as a battery lock and the main power switch "ignition" to turn on the E-bike. Turning the key forward turns on the bike, and turning the key backwards unlocks the battery pack. This reduces the need for a separate keyswitch to turn on the bike as common on motorcycles.

A fuse-protected auxiliary power port taps power directly from the battery for running accessories such as the integrated alarm even if the main ignition is turned off.

The updated battery interface now sits inside the downtube. This reduces the length of the CNC cutout section for the battery, increasing the strength of the downtube while increasing the tamper resistance. The discharge port is also updated with communications pins for future upgradability while maintaining backwards compatibility with older battery packs.

- Hidden lock interface
- Improved tamper resistance
- Reduced Length of the CNC cut out section for increased stiffness
- Integrated key switch / battery release function

Folding Mirror

Safety and Convenience on the Go

The JetCurrent Pro comes standard with a folding mirror that folds out of the way when not in use to avoid damage and reduce the width of the bike when moving in and out of tight spaces. The mirror threads directly into the custom forged brake lever mount, reducing the need for a separate mirror clamp on an already crowded cockpit. While not legally required for e-bikes, the DOT spec mirror gives great rear visibility and lets drivers know you mean business on the road.

Aluminum CNC Folding Pedals

Elevating Your Ride with Premium Touch Points

The JetCurrent Pro is equipped with the highest quality folding pedals available on the market. The pedals are as wide as standard platform pedals and have very little "play" compared to plastic folding pedals -enhancing the direct connection of the pedal transmission. Full Aluminum CNC folding pedals, locking ergonomic grips and a comfortable saddle round out the bike's premium touch points.

Quick Release Rack Platform

Everything is riding on this

The JetCurrent Pro's rear rack, like our other e-bikes, is RelayRack compatible. The RelayRack Cargo Platform allows you to quickly mount and remove accessories such as bags, baskets and other gadgets to your e-bike without the use of straps, fasteners or bungee cords. The new rack is also passenger seat ready and compatible with the Thule Yepp Nexxt 2 Maxi Rack Mount.

- RelayRack compatibility with quick release
- Rear basket
- Rear delivery rack
- Passenger seat ready
- Pannier bag
- Universal mounting Plate

*Accessories sold separately

Front Accessory Mount

Front Accessory Mount

The front accessory mount which first appeared on our RipRacer e-bike provides a mounting point for attaching a front basket directly to the frame for increased stability.

Fully Accessible Electronics Architecture

Extreme Serviceability

As impressive as the JetCurrent's Performance is, what is more impressive is the extreme attention taken to the bikes serviceability as a key driver of any design decision. We wanted to design this bike to be the absolute easiest bike to service on the market, period. This required a full overhaul of the electronics layout to be as accessible as possible without special tools or processes.

Careful thought is paid to each detail to ensure the widest compatibility across vehicle form factors. In addition we have developed very clear documentation on how to service every part using the tools included with the bike. Every connector is laser etched with labels and color coded to avoid confusion during installation.

The JetCurrent Pro gets an updated downtube design with an open channel for routing cables. An aluminum bolt-on cover achieves a clean look without the use of impossible to repair "hidden" cables.

The goal is to reduce the chance of failures, quickly identify failures if they happen, make the replacement parts widely available and the repair process as straightforward as possible.

	JetCurrent Pro - Specification Sheet

Image	
Key Features Overview	1,200 Watt Custom Hub Motor 2,000 Watts Peak Power 105 Nm Peak Torque 40 Amp Motor Controller 34 mph Pedal Assist 30 mph Throttle Only 52 Volts Advanced G2 Battery System 19.2 Ah (995 Wh) Capacity LCD Advanced Matrix Display Torque and Cadence Pedal Sensors Thumb Throttle 4-Piston Hydraulic Disc Brakes with 203 mm Rotor Shimano Altus 7 Speed Cassette Transmission 20" x 4.0" Off-Road Tires ShadowBlaster 1,050 lumen Headlight with Integrated 100 dB Horn Front and Rear Turn Signals Rear Brake Light Security Alarm with Wireless Remote Rear Rack and Fenders Included Ergonomic Lock on Grips 1A USB Port

Color Options	Black | Matte Finish Indigo Blue | Matte Finish Purple Haze | Glossy Desert Tan | Glossy
Frame Sizes	One Size | Folding Frame
Motor	**1,200 Watt Juiced-Bafang Custom Designed Hub Motor** Peak Power: 2,000 Watts Nominal Power: 1,200 Watts Peak Torque: 105 Nm 5:1 Geared hub motor for higher torque output 560 RPM Super high speed winding Robust M14 axle Low-drag freewheeling clutch Shimano cassette standard Left-side exit locking motor connector
Battery Pack	**G2 Battery Pack** 52 V / 19.2 Ah (G2 Dockable Battery) 995 Wh Hyper Extended Range Battery Integrated Apple AirTag tracker compartment Built in Battery LED level meter with charge status 40 A Peak discharge 35 A Continuous discharge Carry handle for easier transporting IP65 Water resistance Lockable power button to prevent unwanted tampering Fully concealed dual fuse compartment Programmable Battery Management System (BMS) Modular design for easy serviceability Backwards compatible with every 52 V Juiced E-bike Certified to UL-2271 Standards
Motor Controller	**Juiced PowerBlade | Motor Controller** 12 Transistor | 40 Amp Peak | 2,000 Watts Peak Throttle Up to 30 mph Pedal assist Up to 34 mph **Key Functions** Sine wave FOC Customized tuning algorithm Thermally managed 52 V LED light output Overboost function Fully potted water resistant construction Cruise control function Walk function XT60 connectors Firmware upgradable Externally mounted on the downtube for improved cooling and serviceability

	Assist Mode	Configuration	Nominal Motor Power	Throttle Only	Pedal Assist
Pedal Assist Performance	Class 1	User Selectable	750 W	N/A	20 mph
	Class 2	Default Configuration	750 W	20 mph	20 mph
	Class 3	User Selectable	750 W	20 mph	28 mph
	Race Track Mode	User Selectable	1,200 W	30 mph	34 mph

*Assist mode configurations can be adjusted directly from the LCD display. The assist mode selected by the user must abide by the local e-bike regulations.

Throttle Control

Thumb Throttle
Star Union | 300X | 3 Pin Female | 240 mm | T2 Connector
Left side mounted

Pedal Sensors

Advanced Torque and Cadence Dual Sensor Technology

Torque Sensor
Rear Drop-out frame-mounted strain gauge
1,000 samples per second
M14 Dropout
Red Anodized

Cadence Sensor
104 poles per crank revolution (maximum)
Forward and reverse sensing
Digitally filtered output

Controller Software
Athletically tuned assist software using the torque sensor, cadence sensor, speed measurement, voltage and controller temperature to modulate motor output. Intelligent pedal assist and throttle blending algorithms.

Display Interface

LCD Advanced Matrix Display (W781)
Matrix Display with 120 x 64 Pixels
Customized interface with 3-button layout
7 Levels Assist: 0, ECO, 1, 2, 3, SPORT, RACE
Basic and Advanced display modes
Water resistant IP65
Backlit illuminated display
Keyswitch start (Auto start)

Advanced Display Screen Mode	Toggle Advanced Display Mode to see following real-time metrics: Speed Efficiency Controller Temp Watt-Hours Trip Distance Amps Odometer Assist Level Volts Watts Amp-Hours *Hold Assist Up + Power button for 2 seconds to toggle Advanced Display Mode. **Hold Assist Down + Power Button for 2 seconds to reset Trip Counter
Assist System's Functions	**Active Cruise Control Function** Locks in any speed below 20 mph. Speed will be maintained without pedaling or using the throttle until: 1) the brake is applied, 2) pushing any button or 3) giving additional throttle input. Pedaling can increase the speed, but e-bike will return to the pre-set speed if pedaling stops. **Walk Function** Push-button throttle limited to 6 km/h to assist when pushing or walking bike. **LED Head Light Control** Turn on the LED headlight light from the display console. Option to allow the headlight to always stay on. **Display Backlight Control** Turn on the display's backlight to see the screen at night. Option to allow the headlight to always stay on. **Torque Sensor Deactivation Function** Turn off the torque sensor signal. The pedal assist will only use the cadence sensor input. **Speed Limiter** Set the maximum speed limit of the throttle or pedal assist system. **Assist Level Limiter (NDW)** Set the maximum assist level that can be selected: ECO, 1, 2, 3, Sport or Race **Low Voltage Limiter** Set the lowest voltage allowed by the electric drive system. Used to control how deeply the battery is allowed to discharge. **Display Brightness Level** Set the brightness level of the display **Wheel Circumference Input** Set the precise wheel circumference in mm. **Race Track Mode** Pedal assist is set to the most aggressive setting. The bike is not electronically speed limited. The top speed will be limited only by the power available to the motor. Use this setting on non-public roads only.

Charger	**52V / 2 Amps Standard Charger (included)** 2 Amps max charge rate 7.8 Hours recharge to 80% 3 Pin XLR Connector UL Certified On-bike and off-bike charging **52V / 4 Amps Turbo Charger (optional)** 3.8 Hours recharge to 80% 4 Amps max charge rate 3 Pin XLR Connector UL Certified On-bike and off-bike charging **52V / 8 Amps Advanced Fast Charger (optional)** Grin Tech / Cycle Satiator 8 Amp max charge rate 2.2 Hours recharge to 80% 3 Pin XLR connector UL Certified 80% Charge setting Storage charge setting Fully programmable Water resistant On-bike and off bike charging

Range

Battery Range Chart			
Amp Hours (Ah)			**19.2 Ah**
Volts (V)			51.8 V
Watt-Hours (Wh)			995 Wh
E-bike Class	**Riding Style**	**Efficiency Wh/mi**	**Range Miles**
CLASS 2 <20 mph	Economy Riding	10 Wh/mi	100 Miles
	Medium Speed Riding	15 Wh/mi	66 Miles
	Average Speed Riding	20 Wh/mi	50 Miles
CLASS 3 < 28 mph	Fast Speed Riding	25 Wh/mi	40 Miles
	Aggressive Riding	30 Wh/mi	33 Miles
CLASS 3+ > 28 mph	Race Track Mode	35 Wh/mi	28 Miles

Factors negatively impacting efficiency and range:
Frequent starts and stops, Hills, Throttle-only riding, Lower tire pressures, Headwinds
Faster average speeds, Heavier payloads, Increased aerodynamic drag

Wire Harness	**Quick Connect Cable Wire Harness | 3 Sets** Water resistant connectors Type 2 connectors Quick-connect style for easier servicing **1-to-3 Main Wire Harness** Display, Throttle, Left Brake Sensor **2-to-5 Front Combo Harness** Front R/L Signal Light, Horn, Head Light, Aux Power **2-to-1 Combo Splitter Harness** Rear R/L Signal Light, Brake Light
Frame	**6061 Aluminum Heat Treated Folding Frame** Integrated & removable down-tube battery Custom designed folding hinge and lever In-fold magnetic clip Removable In-fold frame stand Hidden cable channel system with bolt-on cover CNC battery compartment Integrated alarm module compartment Custom designed rear dropouts Water bottle cage mount Rear pannier rack mount Fender stay mounts 275 lbs (120 kg) Total payload rating
Rear Suspension	**None** (Hardtail Configuration)
Rims	**20" Double Walled Aluminum Alloy Rim** 36 Hole 19 mm inner wheel width 12G brass grommets High pressure nylon rim strip Flat black
Spokes	**Heavy Duty Stainless** Front: 12G | 173.5 mm | 174.5 mm | Black Rear: 12G | 128 mm | 130 mm | Black
Tires	**CST Knobby Tires** Size: 20" x 4.0" Tread: Knobby pattern Tube: 20" x 4.0" Schrader valve Max Pressure: 35 psi Recommended Pressure: 25 psi

Brakes	**Gemma G3 4-Piston Hydraulic Disc Brakes** Rotors: Front: 203 mm | Rear: 180 mm Hose: Front: 950 mm | Rear: 2,000 mm 4 Finger blade with ball end with 8 mm mirror mount
Transmission	**7 Speed Shimano Altus Shifter and Derailleur** 11-28T | Cassette with integrated metal spoke protector Cable Length: 2,400 mm
Bottom Bracket	**English Square Taper Type** Axle Length: 164 mm BB Length: 100 mm Sealed bearing
Chain Ring	**Wheeltop 60T** Crank Length: Aluminum CNC | 170 mm Aluminum Chain Guide
Chain	**7 Speed Compatible** KMC Z7 RB Rust Buster 120 Links
Pedals	**CNC Aluminum Folding Platform Pedals** 9/16" Platform pedals Polymer bearing
Fork	**Custom Suspension Fork** Hydraulic lockout 100 mm Travel 1-1/8" Threadless Dropout: M14 Bolt-on axle with anti-drop washers 3-Bolt headlight and fender mount
Grips	**Ergonomic Lock-on Grips** Clamp diameter: 22.2 mm
Handlebar & Stem	**Short Riser Handlebar** Width: 700 mm Clamp: 31.8 mm Rise: 20 mm **Custom Designed Forged Folding Stem** Stem: 28.6 mm (1-1/8" Threadless) Stem Length: 180 mm

Seat	**Gel Seat** Seat Post: 34 mm x 450 mm Quick release seat post clamp
Mud Guard	**Front and Rear Mud Guards (included)** Durable polypropylene Flat black Removable without removing the wheels
Head Light	**Juiced ShadowBlaster Front LED Head Light** 1,050 Lumen | CREE 12 Watts Dual daytime running lights Integrated 100 dB motorcycle horn 12-80 V Wide voltage input Cast aluminum body Powered by main battery Water resistant to IP65
Tail Light	**Rear Combo LED Light with Brake Light and Turn Signals** LED brake light function Right and left turn signals White LED license plate illuminator
Mirrors	**Folding Left-Side Mirror (included)** Standard 8 mm thread base
Horn	**Headlight Integrated Horn** Motorcycle 100 dB Right-side combo switch operated
Alarm	**Integrated Alarm System** Motion alarm with 90 dB Siren Remote power on/off function 2 x Wireless remotes included
Rear Rack	**Juiced RelayRack 2 | Quick-Release Rack Accessory Platform** Compatible child seat: Thule Yepp Nexxt 2 Maxi Rack Mount Powder coated aluminum Pannier rail Rear light & reflector holder 50 lb (25 kg) Rack max payload
Warranty	**1 Year Limited Warranty**
Weight Limits	Bike Weight Limits: 300 lb (136 kg) total payload rating Rack Weight Limits: 50 lb (25 kg) rack payload
Vehicle Weight	E-Bike without battery: 75.0 lbs (34 kg) Battery alone: 11.7 lbs (5.3 kg) Bike + Battery: 92.6 lbs (42 kg)

Package Dimensions	**Fully Padded Shipping Box** Box Dimensions: 42.9" x 21.7" x 34.6" (109 cm x 55 cm x 88 cm) Package Weight: 110 lbs (50.0 kg)

Bike Dimensions	

Dimension	Milimeters	Inches	Dimension	Milimeters	Inches
Overall Length	1,788 mm	70.3 in	Rack Height	660 mm	25.9 in
Wheel Base	1,203 mm	47.3 in	Rear Overhang	30 mm	1.2 in
Rear Center	448 mm	17.6 in	Folded Stem Height	883 mm	34.7 in
Front Center	755 mm	29.7 in	Handlebar Height	1,105 mm	43.4 in
BB Height	285 mm	11.2 in	Handlebar Width	720 mm	28.3 in
Step Thru Height	440 mm	17.3 in	Pedal Width	398 mm	15.6 in
Max Seat Height	1,055 mm	41.5 in	Steer Tube Angle	67°	
Min Seat Height	780 mm	30.7 in	Seat Post Angle	69°	
Rack Length	325 mm	12.8 in	Folded Height	780 mm	30.7 in
Rack Height	660 mm	25.9 in	Folded Length	1,105 mm	43.4 in
Rear Overhang	30 mm	1.2 in	Folded Width	535 mm	21.0 in

Certifications	UN38.3 / UL2271 / UL2849 / FCC Part 15, Subpart B:2021 / DOE & CEC / CPSC 16 CFR PART 1512

Notes	Due to ongoing supply chain constraints in the e-bike market, components listed are subject to change without prior notification. All new components have been carefully tested and inspected to ensure they meet, and in most cases exceed the performance standard of the item we are replacing.

R20240405-003

52-Volt G2 Battery Pack - Specification Sheet

Key Features Overview	- Compatible with the PowerShift Docking System
	- Integrated Apple AirTag tracker compartment
	- Built in Battery LED level meter with charge status
	- Carry handle for easier transporting
	- IP65 water resistance
	- Lockable power button to prevent unwanted tampering
	- Fully concealed dual fuse compartment
	- Programmable Battery Management System (BMS)
	- Modular design for easy serviceability
	- Backwards compatible with every 52V Juiced E-bike
	- Exclusive battery design and technology engineered by Juiced Bikes

	52V 540 Wh **10.4** Ah	**52V** 800 Wh **15.6** Ah	**52V** 995 Wh **19.2** Ah
Available in 3 Capacites	52 V / 10.4 Ah	52 V / 15.6 Ah	52 V / 19.2 Ah
Nominal Voltage	51.1 V	51.1 V	51.4 V
Max. Charge Voltage	58.8 V	58.8 V	58.8 V
Pack Nominal Capacity (Ah)	10.4 Ah	15.6 Ah	19.2 Ah
Pack Nominal Capacity (Wh)	540 Wh	800 Wh	995 Wh
Cell Configuration	14S4P	14S6P	14S6P
Standard Charge Current	3 A	4 A	4 A
Max. Charge Current	4 A	8 A	8 A
Standard Discharge Current	13 A	25 A	35 A
Max Discharge Current	20 A	35 A	40 A
Discharge Cutoff Voltage	35 V	35 V	35 V
Operating Voltage Range	42.0 V~58.8 V	42.0 V~58.8 V	42.0 V~58.8 V
Charging Temp. Range	0~50℃	0~50℃	0~50℃
Discharging Temp. Range	-20~50℃	-20~50℃	-20~50℃
Initial Internal Impedance	≤100 mΩ	≤70 mΩ	≤120 mΩ
Waterproof Level	IP65	IP65	IP65
Normal Mode Power Consumption	18 mA	18 mA	10 mA
Shutdown Mode Power Consumption	50 uA	50 uA	50 uA
Weight	4.17 kg (9.2 lbs)	5.49 kg (12.1 lbs)	5.49 kg (12.1 lbs)

|	
Tracking	Apple AirTag Item Tracker Compartment (AirTag sold separately)
Warranty	1 Year Limited Warranty
BMS Protection	Overcharging Protection Over Discharging Protection Charge over current protection Short circuit protection current Charging high temperature protection Charging low temperature protection Discharging high temperature protection Discharging low temperature protection
Fuse Protection	Dual Fuse Design
Power On Procedure	Press and Release Power Button
Power Off Procedure	Long. Press Power Button >3s
Check Charge Status	Short Press Power Button
Transportation Safety Testing	Certified for UN 38.3 for Lithium Cells and Batteries UN 38.3 Testing Requirements: T1 – Altitude Simulation T2 – Thermal Test T3 – Vibration T4 – Shock T5 – External Short Circuit T6 – Impact T7 – Overcharge T8 – Forced Discharge
Charging Modes	Stand-Alone Charging On-Bike charging Dock Charging Swap Station Charging

Battery Dimensions

84 mm (3.3")

140 mm (5.5")

Front

426 mm (16.8")

288 mm (11.3")
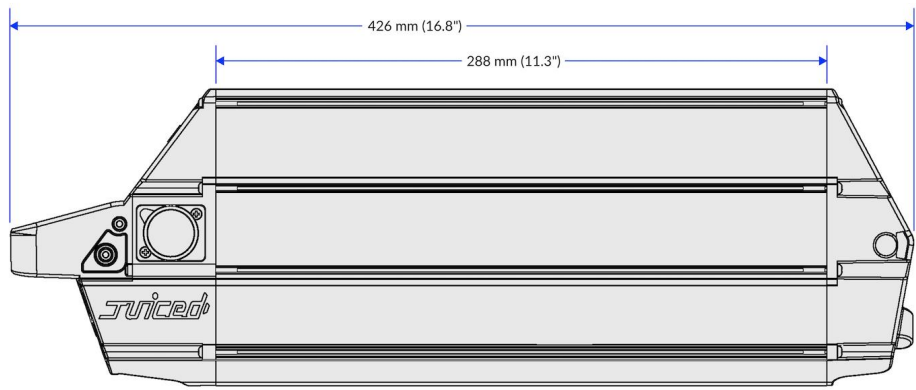
Left Side

Battery Status Display

100% 80% 60% 40% 20%
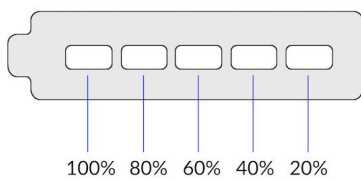
Battery Port Assignments

P-
P+
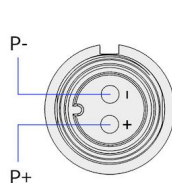
Primary Connector Port

C+ C-
+ -
P+ P-

Secondary Connector Port

C- C+
Unassigned
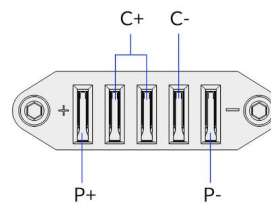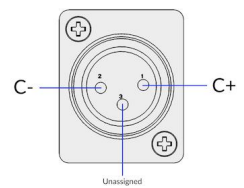
Charge Port

Modular design for easy serviceability

Fuse
Compartment

Front Cover

AirTag Compartment

Carry Handle

Secondary
Connector Port

Rear Cover

Aluminum Extrusion

Charge Port

Power Button

Front Cover Overview

Battery Status Display

Apple AirTag Tracker Compartment

52V
G2 BATTERY

Replaceable Carry Handle

Illuminated Power/Function Button

Primary Lock Bolt Slot
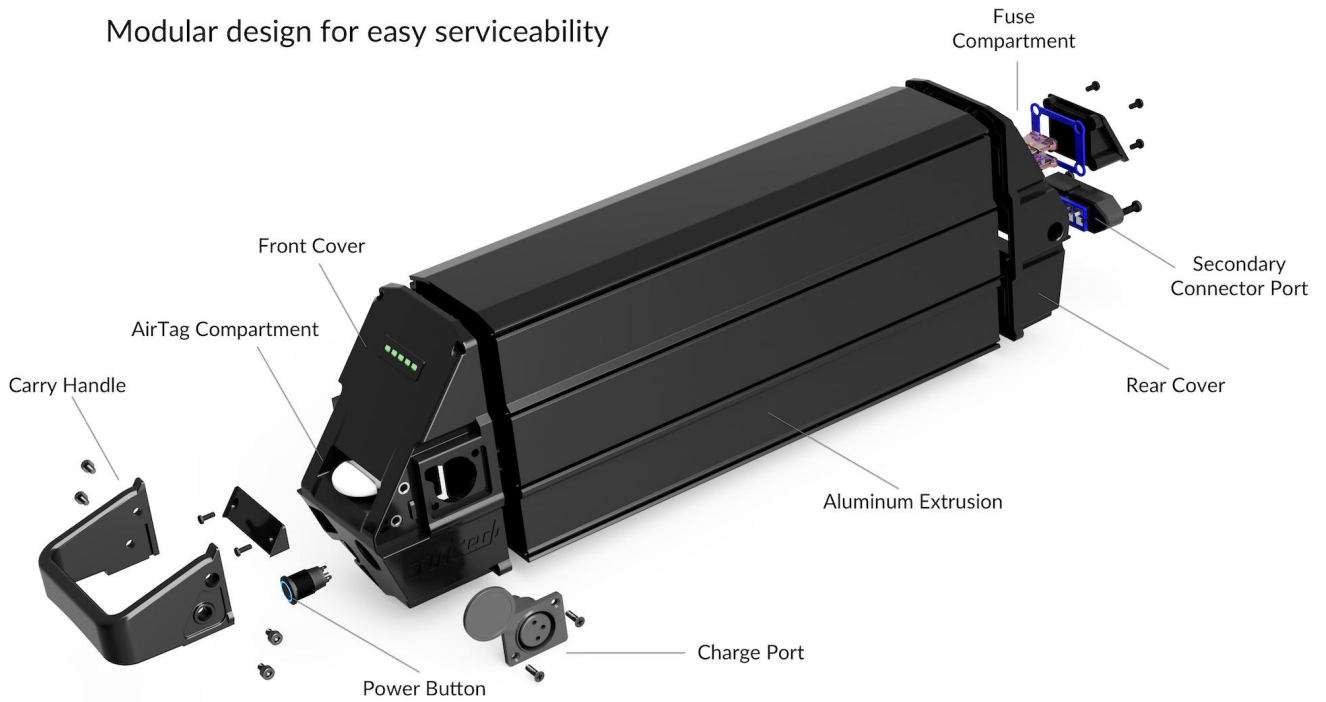
Primary Discharge Port
Up to 40A (2000W)
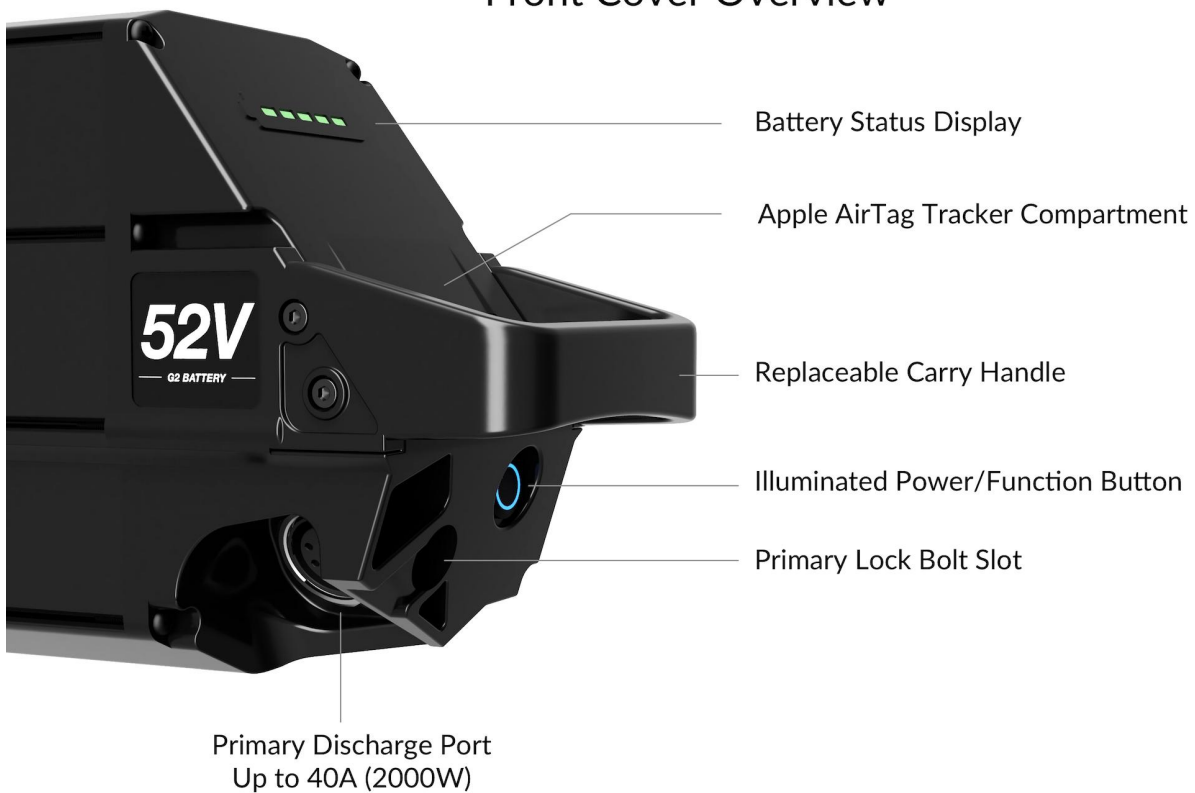
Integrated AirTag Tracker Compartment

Apple AirTag
Item Tracker

(AirTag sold seprately)

RipRacer
1669 Brandywine Ave, Chula Vista, CA 91911,
United States
3 minutes ago

Play Sound
Off

Directions
6,796 mi

Notifications

Rear Cover Overview

Fuse Compartment Cover

Dock Alignment/Lock Slots

Dock Discharge/Charge Port
Input up to 8A (400W)
(8A available only with 15.6 Ah and 19.2 Ah battery options)

FUSE

52V
G2 BATTERY

Fuse Compartment Overview

Dual Replaceable Fuses

Fuse Cover

FUSE

Charge Port Overview

High Power Charge Port
Up to 8 A / 400 W
(8A available only with 15.6 Ah and 19.2 Ah battery options)