



AC POWERTRAIN DATA SHEET



Premium Driveability

Smooth, consistent throttle response, reliable performance, and three customizable drive modes give your whole crew the ability to drive with both safety and fun.

Powerful Options

With three controller options and two motor choices to mix and match, the EB Power lineup has the perfect setup for any ride—from mild to wild, 2-passenger to 8-passenger.

The Most Complete

One order. One kit. EB Power is the ultimate solution! Everything you need—cables, switches, and connections are included for easy, no-guesswork installation. No more chasing down multiple shipments or tracking endless packages.

Smart Installation

Game-changing, pre-assembled controller mounting plates, complete harnesses, and adapters—all clearly marked and ready for easy installation. Save time and enjoy the reliability of brand-new cables, connections, and components!

Elite Integration

What happens when you pair the industry-leading Eco Battery lithium, their proprietary Battery Management System (BMS), and the new EB Power controller? You get the most complete, seamless integration possible, delivering unmatched performance, safety, features, and the best support team in the business.

CONTROLLER SPECIFICATIONS



CONTROLLER	600A	450A	350A
Nominal Voltage	36-90	36-90	36-90
Dimensions	8.5L x 6.6W x 3.6H (inches) 218L x 168W x 93H (mm)	8.5L x 5.7W x 3.6H (inches) 218L x 146W x 93H (mm)	8.5L x 4.35W x 3.6H (inches) 218L x 116W x 93H (mm)
Power Connections	(6) M8x1.25	(6) M8x1.25	(6) M8x1.25
M8 Terminal Torque Specs	8 ft/lbs, 96 in/lbs, 10Nm	8 ft/lbs, 96 in/lbs, 10Nm	8 ft/lbs, 96 in/lbs, 10Nm
Weight	7.2 lbs, 3.3 kg	5.7 lbs 2.6 kg	4.8 lbs, 2.2 kg
IP Rating	IP66	IP66	IP66
Storage ambient temp	-40°C - 85°C	-40°C - 85°C	-40°C - 85°C
Operating ambient temp	-40°C - 55°C	-40°C - 55°C	-40°C - 55°C
CAN Communication	Yes	Yes	Yes
Wifi Communication via App	Yes	Yes	Yes
PC Tool (Coming Soon)	Eco Live	Eco Live	Eco Live
2 Minute Max Current	600A	450A	350A
60 Minute Rated Current	240A	180A	140A
Sensor	Quadrature Encoder	Quadrature Encoder	Quadrature Encoder
Efficiency	98%	98%	98%
Cooling	Flat Heatsink	Flat Heatsink	Flat Heatsink

MOTOR SPECIFICATIONS



MOTOR	5kW	4kW
Motor Type	Induction	Induction
Voltage	48V	48V
Torque	55ft/lbs (75Nm)	46ft/lbs (63Nm)
Max Output Limits	5kW Continuous (9kW for 60 minutes)	4kW Continuous (8kW for 60 minutes)
RPM Limit	9500	9500
Dimensions	7.25x8.5x10.5	7.25x8.5x9.875
Weight	54lbs, 24.5kg	51lbs, 23kg
IP Rating	IP67	IP67
Storage Temp	-40°C - 85°C	-40°C - 85°C
Environmental Operating Temp	-30°C - 55°C	-30°C - 55°C
M8 Terminal Torque Specs	8 ft/lbs, 96 in/lbs, 10Nm	8 ft/lbs, 96 in/lbs, 10Nm
Mounting Hardware Torque Specs	15ft/lbs, 180 in/lbs, 20Nm	15ft/lbs, 180 in/lbs, 20Nm

Solenoid	EB Power A-0116
Voltage	200V DC Max
Continuous Amp	400A
Peak Amp	4000A for 1 second, 2000A for 10 seconds
Coil Voltage	48V
Contact Type	Silver Alloy
IP Rating	IP67 and IP69K
Coil Connection	DJ70216Y-1.8-11
Main Terminals	M8x1.25
M8 Terminal Torque Specs	8 ft/lbs, 96 in/lbs, 10Nm

