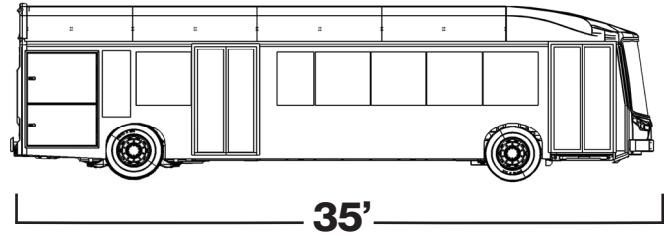
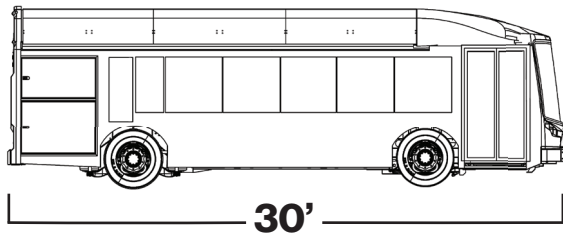


Zero emissions, smart mobility, lower operating costs, compatible charging systems - the Equess CHARGE™ from ARBOC is ready to meet tomorrow's transportation demands today. The Equess CHARGE™ proudly incorporates the proven battery-electric technology from New Flyer® that is deployed in thousands of buses across the United States and Canada.

Available in 2 lengths with single or dual doors



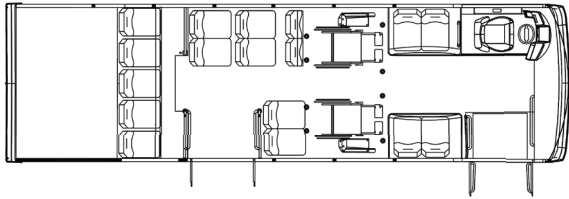
Industry Leading Range Capability

Length	ESS (kWh)	Maximum Range* (Miles)
30'	350	210
35'	437	230

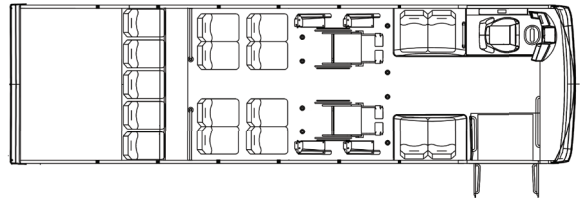
*dependent on model, length and battery option

Floor Plans

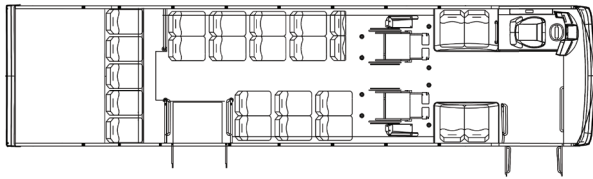
30', 21 Passengers, 2 w/c



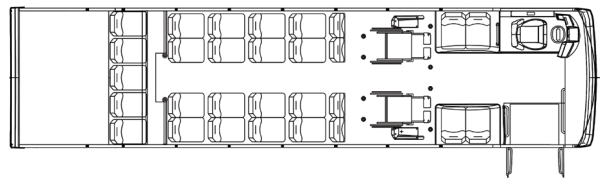
30', 25 Passengers, 2 w/c



35', 29 Passengers, 2 w/c



35', 33 Passengers, 2 w/c





Telematics


CONNECT 360™


Connect 360™, operated by New Flyer Connect®, is a customizable performance dashboard that provides smart analytic reporting to expand insight and intelligence for managing your Equess CHARGE™ battery-electric bus.

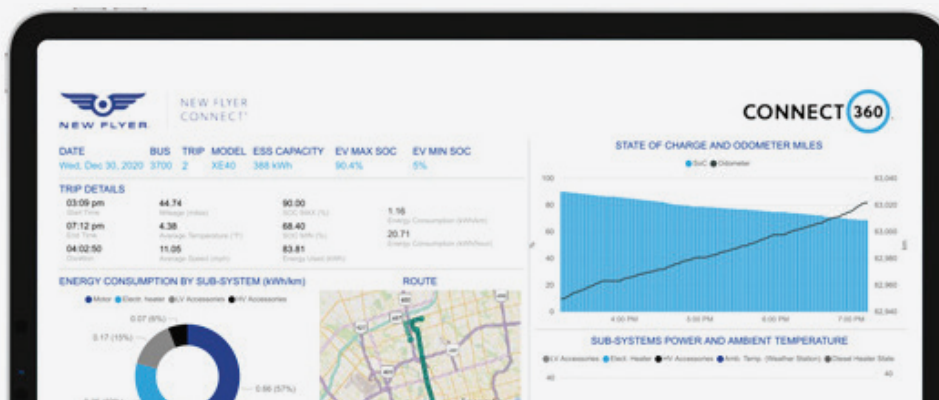
Connect 360™ is included on every new Equess CHARGE™. Learn more at newflyer.com/connect.

 **Additional range** capability with improved driver performance.

 **Decision-making information** to optimize charging strategies.

 **Intelligence** on how to preserve battery energy throughout the day.

 **Reduced operating cost** and maximum fleet utilization.



Measurements	equestCHARGE™ 30'	equestCHARGE™ 35'
Length	30' 8" (9.2 m) Over bumpers	35' 5" (10.7 m) Over bumpers
Exterior Width	100" (2.54 m)	100" (2.54 m)
Roof Height	128" (3.25 m)	128" (3.25 m)
Step Height	13.38" (340 mm)	13.38" (340 mm)
Front Step Height (Knelt)	10.38" (264 mm)	10.38" (264 mm)
Interior Height – Floor to Ceiling	95" (2.4 m) Center of bus	95" (2.4 m) Center of bus
Tire Size	270/70R 22.5	270/70R 22.5
Wheelbase	196" (4.9 m)	259" (6.5 m)
Propulsion		
Motor Utilizes New Flyer's Xcelsior CHARGE™ technology	SIEMENS ELFA3 electric drive system	SIEMENS ELFA3 electric drive system
Energy Storage System		
Full Charge	350 kWh	437 kWh
Rated Torque	1,033 lb-ft	1,033 lb-ft
Passenger Capacity		
Seats	Up to 25	Up to 33
Accessibility		
Doors	1 Standard or optional 2 door	1 Standard or optional 2 door
Wheelchair Accessibility	32" (813 mm) Wide, 1:6 slope	32" (813 mm) wide, 1:6 slope
Wheelchair Locations	Up to 4	Up to 6
Weight		
Curb Weight *Approximate weights; Varies with ESS configuration	22,500 lbs (10,205 kg)*	23,650 lbs (10,727 kg)*
GVWR	33,000 lbs	33,000 lbs
Approach Angle		
Approach/Departure/Break over Angles	9°/8.6°/12°	9°/8.6°/9°
Main Components		
Electrical System	Parker Vansco	Parker Vansco
Cooling System	Electric cooling fans	Electric cooling fans
HVAC	Valeo REVO-E (Roof-mounted)	Valeo REVO-E (Roof-mounted)
Axles	Single reduction axle	Single reduction axle
Brakes	ZF RL82 IFS Front disc brakes;	ZF RL82 IFS Front disc brakes;
Rear Brakes	ZF AV133 Rear disc brakes	ZF AV133 Rear disc brakes
Charger	SAE J1772 DC CCS Type 1 plug-in charger	SAE J1772 DC CCS Type 1 plug-in charger
Range		
Maximum Range (Miles) *Dependent on model, length and ESS	210*	230*

Charging

ARBOC buses are compatible with charging equipment that supports medium-duty electric vehicles. You can customize your Energy Storage Systems (ESS) and charging solutions so you can develop the right ESS and infrastructure solution for your needs.

Eqness CHARGE™ is compatible with charging systems available from:

SIEMENS

ABB

-chargepoint+

Plug-In Charging

CCS Type 1 plug-in chargers can be used for overnight, mid-day and off-route charging. A full charge requires 4 hours* for a 350 kWh ESS.

* Dependent on type of charger

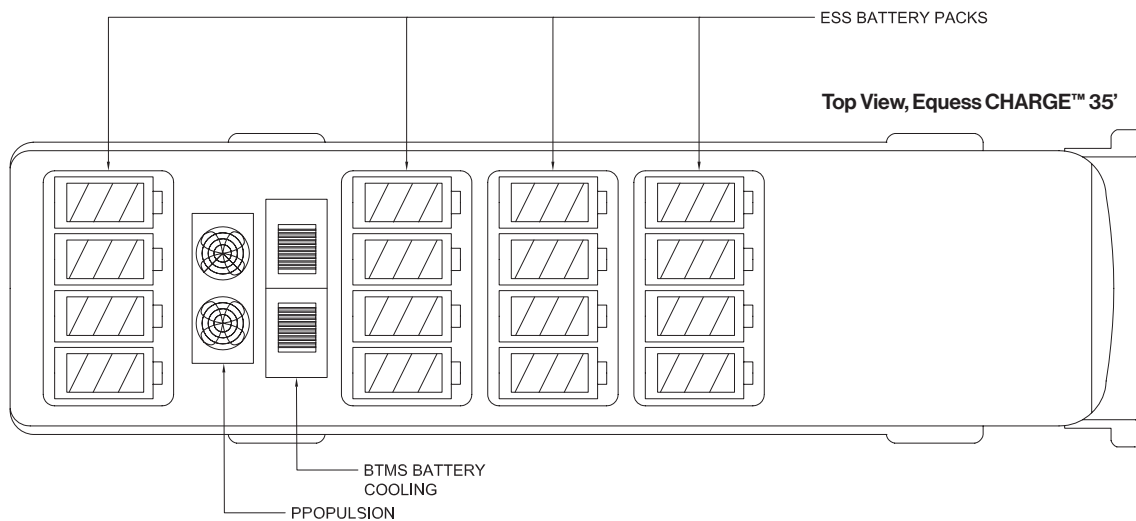
Range Capability

The 35' Eqness CHARGE™ has a range of up to 230 miles (437 kWh)* on a single charge.

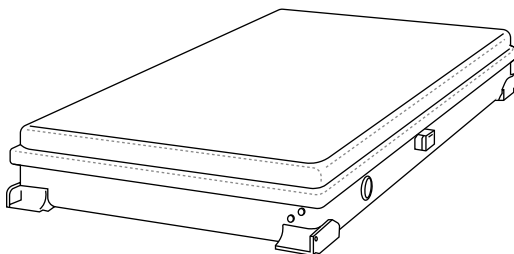
* Estimated range with long range charge

How it Works

The Eqness CHARGE™ uses an electric motor from SIEMENS that is tested and proven.



Battery Enclosure



A standardized waterproof battery enclosure is mounted on the rooftop and in the propulsion compartment using a “plug and play” approach, lending simplicity and efficiency in design, install, maintenance and manufacturing.

Rooftop application uses a modular approach with a simplified mounting system comprised of two rails running the length of the bus.

The same standardized battery enclosure is also mounted in the propulsion compartment on a rack. With this approach, the same battery enclosure can be mounted in any position on the bus.

Simple

If a battery needs to be replaced, the module can be removed and replaced with a new/backup module. The module needing troubleshooting can be serviced in the shop while the bus with the new/backup module onboard returns to service.

With every battery having the same enclosure, service manuals are the same for every single bus model and length.

Easy to Service

Service technicians can simply and safely plug in or unplug the battery module with less exposure to high-voltage electricity.

Efficient

Modules are better insulated resulting in better management of battery temperature for optimal performance.