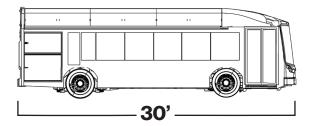
# equess CHARSETM Zero-emission battery-electric bus

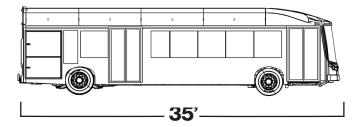




Zero emissions, smart mobility, lower operating costs, compatible charging systems - the Equess CHARGE™ from ARBOC is ready to meet tomorrow's transportation demands today. The Equess CHARGE™ proudly incorporates the proven battery-electric technology from New Flyer® that is deployed in thousands of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

### Available in 2 lengths with single or dual doors



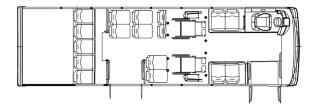


## **Industry Leading Range Capability**

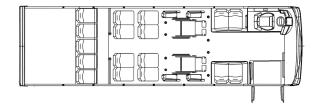
Length	ESS (kWh)	Maximum Range* (Miles)
30'	350	210
35'	437	230

### **Floor Plans**

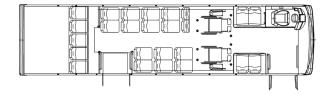
#### 30', 21 Passengers, 2 w/c



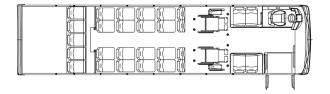
#### 30', 25 Passengers, 2 w/c



35', 29 Passengers, 2 w/c



#### 35', 33 Passengers, 2 w/c



## **Telematics**



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

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



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



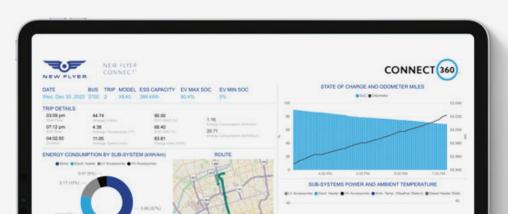
**Decision-making information** to optimize charging strategies.



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



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



Measurements	equess CHAR⊕E™ 30'	equess <b>CHAR⊕E</b> ™35'	
Length	30'2" (9.2 m) Over bumpers	35' 2" (10.7 m) Over bumpers	
Exterior Width	100" (2.54 m)	100" (2.54 m)	
Roof Height	120" (3 m)	120" (3 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	270/70R22.5	
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	1Standard or optional 2 door	1Standard or optional 2 door	
_	1 Standard or optional 2 door 32" (813 mm) Wide, 1:6 slope	1Standard or optional 2 door 32" (813 mm) wide, 1:6 slope	
Doors	<u> </u>		
Doors Wheelchair Accessibility	32" (813 mm) Wide, 1:6 slope	32" (813 mm) wide, 1:6 slope	
Doors Wheelchair Accessibility Wheelchair Locations  Weight Curb Weight 'Approximate weights; Varies with ESS configuration	32" (813 mm) Wide, 1:6 slope Up to 4  22,500 lbs (10,205 kg)*	32" (813 mm) wide, 1:6 slope Up to 6 23,650 lbs (10,727 kg)*	
Wheelchair Accessibility Wheelchair Locations  Weight Curb Weight Approximate weights; Varies with ESS configuration GVWR  Approach Angle Approach/Departure/Break over Angles  Main Components Electrical System	32" (813 mm) Wide, 1:6 slope Up to 4  22,500 lbs (10,205 kg)*  33,000 lbs  9°/8.6°/12°	32" (813 mm) wide, 1:6 slope Up to 6  23,650 lbs (10,727 kg)*  33,000 lbs  9°/8.6°/9°	
Wheelchair Accessibility Wheelchair Locations  Weight Curb Weight Approximate weights; Varies with ESS configuration GVWR  Approach Angle Approach/Departure/Break over Angles  Main Components Electrical System Cooling System	32" (813 mm) Wide, 1:6 slope Up to 4  22,500 lbs (10,205 kg)*  33,000 lbs  9°/8.6°/12°  Parker Vansco Electric cooling fans	32" (813 mm) wide, 1:6 slope Up to 6  23,650 lbs (10,727 kg)*  33,000 lbs  9°/8.6°/9°  Parker Vansco Electric cooling fans	
Wheelchair Accessibility Wheelchair Locations  Weight Curb Weight 'Approximate weights; Varies with ESS configuration GVWR  Approach Angle Approach/Departure/Break over Angles  Main Components Electrical System Cooling System HVAC	32" (813 mm) Wide, 1:6 slope  Up to 4  22,500 lbs (10,205 kg)*  33,000 lbs  9°/8.6°/12°  Parker Vansco  Electric cooling fans  Valeo REVO-E (Roof-mounted)	32" (813 mm) wide, 1:6 slope Up to 6  23,650 lbs (10,727 kg)*  33,000 lbs  9°/8.6°/9°  Parker Vansco Electric cooling fans Valeo REVO-E (Roof-mounted)	
Wheelchair Accessibility Wheelchair Locations  Weight Curb Weight Approximate weights; Varies with ESS configuration GVWR  Approach Angle Approach/Departure/Break over Angles  Main Components Electrical System Cooling System	32" (813 mm) Wide, 1:6 slope Up to 4  22,500 lbs (10,205 kg)*  33,000 lbs  9°/8.6°/12°  Parker Vansco Electric cooling fans	32" (813 mm) wide, 1:6 slope Up to 6  23,650 lbs (10,727 kg)*  33,000 lbs  9°/8.6°/9°  Parker Vansco Electric cooling fans	
Wheelchair Accessibility Wheelchair Locations  Weight Curb Weight 'Approximate weights; Varies with ESS configuration GVWR  Approach Angle Approach/Departure/Break over Angles  Main Components Electrical System Cooling System HVAC	32" (813 mm) Wide, 1:6 slope  Up to 4  22,500 lbs (10,205 kg)*  33,000 lbs  9°/8.6°/12°  Parker Vansco  Electric cooling fans  Valeo REVO-E (Roof-mounted)	32" (813 mm) wide, 1:6 slope Up to 6  23,650 lbs (10,727 kg)*  33,000 lbs  9°/8.6°/9°  Parker Vansco Electric cooling fans Valeo REVO-E (Roof-mounted)	
Wheelchair Accessibility Wheelchair Locations  Weight Curb Weight Approximate weights; Varies with ESS configuration GVWR  Approach Angle Approach/Departure/Break over Angles  Main Components Electrical System Cooling System HVAC Axles	32" (813 mm) Wide, 1:6 slope Up to 4  22,500 lbs (10,205 kg)*  33,000 lbs  9°/8.6°/12°  Parker Vansco Electric cooling fans Valeo REVO-E (Roof-mounted) Single reduction axle	32" (813 mm) wide, 1:6 slope Up to 6  23,650 lbs (10,727 kg)*  33,000 lbs  9°/8.6°/9°  Parker Vansco Electric cooling fans Valeo REVO-E (Roof-mounted) Single reduction axle	

## 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.

Equess CHARGE™ is compatible with charging systems available from:

**SIEMENS** 

ABB

-chargepoin+.

#### **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

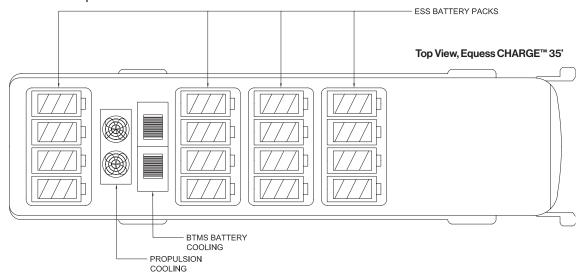
#### **Range Capability**

The 35' Equess 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 Equess CHARGE™** uses an electric motor from SIEMENS that is tested and proven.



## **Warranty**

Components	Provider	Years	Miles
Base Bus Warranty	ARBOC	3	75,000
Basic Bus Structure	ARBOC	7	350,000
<b>Propulsion System</b>	ARBOC	3	Unlimited
Batteries	ARBOC	6	300,000
Axles	ZF	2.5	125,000
A/C	Valeo	3	Unlimited
Door Systems	Vapor	3	150,000
Air Compressor	PowerEx	1	Unlimited
Wheelchair Ramp	Braun	3	15,000 cycles
Electrical System	Vansco	3	150,000
LED Headlights	J.W. Speaker	6	Unlimited