

# **SPECIFICATION, JEA CLASS 112P: CHEVROLET BOLT ELECTRIC VEHICLE**

## **1. SCOPE**

It is the intent of the JEA to purchase SEVEN (7) CHEVROLET BOLT Electric Vehicles with L-1 and L-2 Chargers. All units must be tested and delivered to JEA Fleet Facility (5717 New Kings Road Jacksonville, Florida 32209) in complete operational condition, with all required equipment and documentation by SEPT 25, 2019.

## **2. MODEL**

2020 model year production CHEVROLET BOLT Electric Vehicle.



## **3. CHASSIS**

- 3.1 **Base Curb Weight:** Between **3550 LBS** and **3750 LBS**.
- 3.3 **WB:** Between **102"** and **104"**.
- 3.5 **Height:** Between **62"** and **69"**.
- 3.6 **Length:** Between **164"** and **165"**.
- 3.7 **Width:** Not to exceed **72"**.
- 3.8 **Wheels:** **17"** Aluminum (Lightweight).
- 3.9 **Minimum Seating Capacity:** **FOUR (4)**. Include Center Console Option with Storage and minimum 2 Cup Holders.

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## **4. ELECTRIC DRIVE MOTOR**

- 4.1 **Type:** Single motor and gearset (Permanent magnetic drive motor).
- 4.2 **Horse Power:** 200 HP / 150 KW.
- 4.3 **Torque:** 266 LBS.
- 4.4 **Drive Ratio:** 7.05:1

## **5. SAFETY OPTIONS**

- 5.1 Rear parking assist.
- 5.2 Following distance indicator.
- 5.3 Forward collision alert.
- 5.4 Rear cross-traffic alert.
- 5.5 Lane Keep Assist with Lane Departure Warning.
- 5.6 Low Speed Forward Automatic Braking.
- 5.7 Lane Change Alert with Side Blind Zone Alert.
- 5.8 Front pedestrian braking.

## **6. TIRES**

- 6.1 All Season Tread.

## **7. BATTERY SYSTEM**

- 7.1 Rechargeable energy storage system with multiple linked modules.
- 7.2 Weight: 947 LBS.
- 7.3 Cells: 288
- 7.4 Energy: 60 KWH

## **8. CHASSIS ELECTRICAL AND LIGHTING (NO SCOTCH LOCK CONNECTIONS)**

NOTE: WIRE ALL LED STROBE LIGHTS TO ONE SWITCH IN CAB with Label

- 8.1 **Meters:** hour meter, mileage, battery level, range (In Cab / Dash Mounted).

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- 8.2 **Auxiliary / Accessory Fuse BLOCK/Lugs:** To wire GPS, Fuel Rings, JEA RADIO, DC Accessory Power Outlets & Etc. See Example Below. Wire to Waterproof Resettable Breaker so we can isolate from vehicle if needed.

Blue Sea Systems ST Blade ATO/ATC Fuse Blocks  
Style Name: 12-Circ Split w/Cover & Neg



- 8.4 **All Cab / Chassis Lights:** LED ONLY.
- 8.5 4 Corner Mounted, Recessed LED Strobe Lights.
- 8.6 **DC Accessory Power Outlets:** THREE DC power outlets in cab for accessories with spring loaded cover (For Cell Phone Chargers & Etc.). See example below (NAPA Part Number & Picture): NAPA Part # BK 7821773 or equal. Power/Wire to the Auxiliary Accessory Fuse BLOCK. **If Units include 3 OEM DC power outlets included, disregard.**



- 8.7 **Power Package:** Power Windows, Locks, Mirrors (Heated), Cruise Control & Tilt Wheel.
- 8.8 Factory installed Air Conditioner and Heater.
- 8.9 Back Up Sensors and Backup Alarm.
- 8.10 **OEM AM / FM Stereo with Auxiliary Input, Backup Camera, and BLUETOOTH HANDS FREE.** **UNITS MUST MEET FMVSS111 Requirements.**
- 8.11 Install roof mounted **44"** Whelen Justice JV WeCan Series Super LED (**MODEL JV4A**): Amber Color with Aluminum Base.

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8.12 **L-1, 120 V:** 4 miles of range charge per hour.

8.13 **L-2, 240 V:** Full charge, 9.5 hours. See Example Below



JuiceBox Pro 40 Smart Electric Vehicle (EV) Charging Station with WiFi - 40 amp Level 2 EVSE, 24-Foot Cable, NEMA 14-50 Plug, UL and Energy Star Certified, Indoor/Outdoor Use (Plug-in Installation)

by JuiceBox

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Style: **40A Plug-in Charging Station**

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32A Plug-in Charging Station

\$499.00

40A Hardwired Charging Station

\$549.00

**40A Plug-in Charging Station**

**\$549.00**



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- High-power, 40A / 10KW EV charging station. Up to 8X faster charge than level 1. Indoor / outdoor installation. Cable management mount included. UL listed. Energy Star certified. Built in USA.
- JuiceNet features: full app and web-based charging control, including: scheduling, energy

### 9. RANGE (MILES)

9.1 Between 230 Miles and 240 Miles on full charge.

### 10. ADDITIONAL REQUIRED EQUIPMENT

10.1 **Window Tint:** Driver's, Passenger's & Rear Windows (Max Legal in FL).

10.2 **Computer Stand:** Hard mounted.

10.3 **Seat Belts (Front and Rear):** **Fluorescent Green**



### 11. COLOR/GRAPHICS

11.1 White exterior.

11.2 Delete all vendor and manufacturer identification decals **except required** safety & reference identification tags, decals, data plates & placards.

### 12. MANUALS, VIDEOS, KEYS & OPERATOR ORIENTATION

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- 12.1 (1) Set of operator manuals (Hard Copy) in each vehicle.
- 12.2 (1) Operator & Safety Training Thumb Drive per unit, If Applicable.
- 12.3 Provide **(5)** complete sets of keys per unit (**3** FOB Keys & **2** Standard Keys for Chassis). **Stamp/Engrave JEA PROVIDED 5 Digit Unit Number on all Keys.**
- 12.4 (1) On-Site JEA Operator Orientation Class (Complete Unit: Chassis & Attachments).
- 12.5 (1) On-Site JEA Maintenance Orientation Class (Complete Unit: Chassis & Attachments).
- 12.6 Include a paper copy Specification / Build Sheet in all units including Key Codes.
- 12.7 Must include/document the **Vin Number, Make, Model, Description, JEA PO #** and **JEA Provided 5 Digit Unit Number** on all invoices and change order invoices.

### 13. WARRANTY

- 13.1 Minimum 3 Year / 36,000 Mile warranty and all standard manufacturer warranties.
- 13.2 Battery System: 8 Year / 100,000 Miles

### 14. OTHER REQUIREMENTS

- 14.1 Purchase / Install CITY License Plates.
- 14.2 **Install JEA Provided Branding / Decals** (You may use JEA's current vendor at your expense).
- 14.3 **Install JEA Provided Safety Equipment:** Purple-K Fire Extinguisher (5 LB), First Aid Kit and Key Safe.
- 14.4 Current **DOT** Inspection / Certification with Decal installed lower left inside corner of windshield. Include Current Date, Current Hours, Next Service Due Date and Next Service Due Hours.
- 14.5 Must include/document the **Vin Number, Make, Model, Description, JEA PO #** and **JEA Provided 5 DIGIT Unit #** on all invoices.



- 14.6 Reflective Roadside Triangle Warning/Hazard Kit.

**NOTE:** All Units, Attachments, Products & Services must meet & comply with all applicable regulations and specifications including but not limited to Federal and State Laws, OSHA Regulations, ANSI Standards, DOT Regulations and ASTM Standards. All Units must be delivered to the JEA Fleet Facility with a **FULL Battery Charge**. Contact **Mark Murray** at **904-328-8501** 48 Hours prior to delivery. Delivery times are **Monday** through **Friday 08:00 AM – 03:00 PM** at **5717 New Kings Road Jacksonville Florida, 32209**.