



## Pre-sales (PDI) checklist for new energy vehicles

Customer name and location:					Date of inspection:	Year	Month	Day
Model:					VIN code:			
NO	Test items	Inspection standards	test result		Abnormal status and handling instructions			
			normal	abnormal				
1	Vehicle exterior paint	1、 The paint on the exterior surface of the vehicle body and the outer guard plate should be free from scratches, sagging, color difference, paint knocking and other undesirable phenomena. 2、 The lettering on the body is correct and intact.						
2	Gap difference fit of vehicle	1. The gap and surface difference of the vehicle shall be uniform, excessively smooth, without concave convex phenomenon, and there shall be no obvious difference between the left and right sides of the body.						
3	Front and rear bumper	1. The assembly is in place, the fixing bolt is not loose, the buckle is not missing or wrong.						
4	Mirror	1. Good appearance, no scratch, normal adjustment, correct specification and model, and good connection between rearview mirror base and body sheet metal.						
5	Door handle / door lock	1. The central control lock of the cab door can be opened smoothly without obstacles. 2. The door handle surface shall be smooth and smooth without scratch, burr, crack, deformation, rust and other defects. 3. The door handle is installed in place, all fixed parts are firmly connected, all moving parts operate flexibly without sticking, and the door is opened and closed easily without abnormal noise.						
6	Whole vehicle glass	1. Glass related regulations and marks are complete. 2. The surface is smooth without cracks, damages, bubbles and other defects 3. The shape of the sealing strip shall be kept in good condition, and there shall be no deformation affecting the use..						
7	Vehicle exterior lamps	1. The lamps have no bad phenomena, such as not on, not always on, not dark, etc. 2. There is no damage, scratch, cracking or discoloration on the appearance of the lamp, and there is no missing or falling off of the bulb inside the lamp. 3. The wiring harness is fixed firmly without interference, damage, false connection and short circuit.						

8		other	<ol style="list-style-type: none"> <li>1. The appearance of the logo and decorative parts is intact, without paint dropping, damage, skewing, warping and other phenomena. installation in place.</li> <li>2. The vehicle VIN code label is clear and consistent with the frame and nameplate.</li> <li>3. The vehicle equipment includes jack, fire extinguisher, danger warning sign, reflective clothing, etc.</li> <li>4. The user manual, warranty manual and certificate are complete and intact.</li> </ol>			
9	Interior inspection	Vehicle trim	<ol style="list-style-type: none"> <li>1. There are no cracks, scratches and uneven colors on the surface.</li> <li>2. The installation is in place without looseness and falling off.</li> </ol>			
10		Roof and safety handle	<ol style="list-style-type: none"> <li>1. The surface is smooth, without wrinkles and clear lines.</li> <li>2. The safety handle is fixed in place without loosening, sticking or poor return.</li> </ol>			
11		Instrument panel, auxiliary instrument panel	<ol style="list-style-type: none"> <li>1. There is no crack, scratch, uneven color and uneven luster on the surface of appearance decoration.</li> <li>2. The matching between the accessories and the instrument panel is reliable, and the movable parts can be opened and closed flexibly, locked safely, without jamming.</li> </ol>			
12		Seats and seat belts	<ol style="list-style-type: none"> <li>1. The appearance of the seat is in good condition without dirt and is installed in place, and the fixing bolts of the seat and safety belt are not loose.</li> <li>2. The safety belt shall be installed in place without mistake or omission.</li> </ol>			
13		Vehicle sealant strip	<ol style="list-style-type: none"> <li>1. Assembly in place, no deformation, distortion, no fit, etc.</li> <li>2. It has good sealing, dustproof and waterproof functions.</li> </ol>			
14	Chassis	Check And fill the fluid	<ol style="list-style-type: none"> <li>1. The level of coolant, brake fluid, power oil and gear oil is normal without leakage.</li> </ol>			
15		Cooling system	<ol style="list-style-type: none"> <li>1. The radiator with electronic fan assembly has good appearance and no crack.</li> <li>2. The electronic water pump, cooling pipe and clamp are installed in place without looseness, interference and leakage.</li> </ol>			
16		Suspension / steering system	<ol style="list-style-type: none"> <li>1. The welding part of the frame body shall be firm, free of missing welding, false welding, crack, corrosion, etc.</li> <li>2. There is no crack, bulge or depression in the stabilizer bar and pull rod.</li> <li>3. The shock absorber has good appearance, no damage, oil leakage, etc.</li> <li>4. The steering gear and steering rod shall be installed in place without cracks, and the fixing bolts shall be fastened in place without looseness, abnormal sound and sticking.</li> </ol>			

17	routine inspection	braking system	<ol style="list-style-type: none"> <li>1. The appearance of the brake is free of damage and oil leakage.</li> <li>2. The direction of the brake pipeline is correct without interference, and there is no oil leakage at the connection.</li> <li>3. The sensor harness is bundled in place, without loose interference and missing plug.</li> <li>4. ABS, vacuum pump, vacuum booster and vacuum tank are in good appearance, assembled in place, and harness sensor is plugged in place</li> <li>5. The handbrake cable and control device are installed in place.</li> </ol>			
18		drive system	<ol style="list-style-type: none"> <li>1. The surface of transmission shaft and half shaft shall be free of depression, smashing mark and crack.</li> <li>2. The cross shaft shall rotate flexibly without jamming and abnormal noise.</li> </ol>			
19		Wheel system	<ol style="list-style-type: none"> <li>1. There shall be no air hole, sand hole, aging, etc. on the wheel appearance, and there shall be no missing coating, paint stripping, etc. on the rim coating surface.</li> <li>2. The wheel fixing bolts are fastened in place without looseness, and the tire pressure is normal.</li> <li>3. The valve shall have reliable sealing function, and the surface shall be free of oil stain, rust, crack, etc.</li> <li>4. The spare tire and lifter are assembled in place without looseness, and the specifications and models are consistent.</li> </ol>			
20	Routine electrical inspection	Battery	<ol style="list-style-type: none"> <li>1. There is no looseness, corrosion or wear on the connecting part of the battery.</li> </ol>			
21		Wiper, horn	<ol style="list-style-type: none"> <li>1. The wiper can work normally, and the water level of the wiper spray water is normal; The horn is working properly.</li> </ol>			
22		lighting	<ol style="list-style-type: none"> <li>1. Check whether the appearance of instrument panel lights (all), turn signal lights, tail lights and interior lights is complete and whether they work normally.</li> </ol>			
23	Three electric system	Power battery	<ol style="list-style-type: none"> <li>1. The box body has complete marks and the balance valve has good appearance.</li> <li>2. The appearance coating of the box is in good condition without crack, deformation, corrosion, collision and looseness.</li> <li>3. The high / low voltage wiring harness outside the box shall be free of wear, and the connector and socket shall be free of corrosion.</li> <li>4. Maintenance switch connection state, no deformation, bump, switch internal clean, no dirt.</li> </ol>			

24		Drive motor	<ol style="list-style-type: none"> <li>1. Whether the motor shell is damaged or bumped.</li> <li>2. The low voltage wiring harness plug-in of the motor shall be free of wear, and the connector and socket shall be free of corrosion.</li> <li>3. The three terminals of the motor are fastened in place.</li> <li>4. The motor mounting bracket, cushion block and flange bolts are fastened in place.</li> <li>5. The motor runs without abnormal noise.</li> </ol>			
25		Power electronics unit	<ol style="list-style-type: none"> <li>1. Whether the PEU shell is damaged or collided, and whether the cooling pipe is loose.</li> <li>2. The mounting bracket is fixed in place without shaking and interference.</li> <li>3. The upper cover is tight with good flatness, and the bolts are installed in place.</li> </ol>			
26	High and low voltage interfac	Routine inspection of low voltage	<ol style="list-style-type: none"> <li>1. The connector shall be in good condition, without damage and in place.</li> <li>2. The pins of the connector are normal, without water, needle withdrawal, ablation and corrosion.</li> </ol>			
27		Routine inspection of high voltage connector	<ol style="list-style-type: none"> <li>1. The appearance of the connector is intact without damage.</li> <li>2. The wiring harness connection part of the high voltage system shall be fastened in place without looseness, corrosion and arcing.</li> <li>3. Whether the charging interface is in good condition, whether the protective cover is damaged, and whether it has waterproof and dustproof functions.</li> <li>4. Whether there is water or foreign objects in the charging connection device, and the metal terminal shall be free of rust and corrosion.</li> </ol>			
28	Road test	Performance check	<ol style="list-style-type: none"> <li>1. The vehicle can be charged with high voltage normally, the instrument has no warning, and the system works normally.</li> <li>2. When D, N and R gears are selected into the relevant gears, the instrument indicator light will be on, and the vehicle will drive according to the indicated gear when stepping on the accelerator pedal.</li> <li>3. Brake pedal height, free travel, braking distance operation.</li> <li>4. Whether the fast charge and slow charge are charged normally, and whether there is a fault alarm.</li> <li>5. Whether the air conditioner and warm air operate normally, and whether there is peculiar smell during operation</li> <li>6. Park brake operation.</li> </ol>			
Signature of inspector:				Instructions: 1. Inspection results: mark "√" for normal and "X" for abnormal; If abnormal items are found, please give "abnormal status and handling instructions".		