Items	Defect Name	Acceptance Criteria	Defect Image	Standards
1	QR Code			Accept: Scratches, dirt etc. on the QR code do not prevent the QR code from being recognized by the scanning gun/device. Reject: QR code cannot be recognized by scanning gun/device due to the scratches, dirt etc. on the QR code.
2	Scratches on the terminal		×	Accept: Scratch length≤4.5mm, scratch depth≤0.2mm, the scratch qty≤1strip, the scratch can be polished with sandpaper of 1000 or above mesh Reject: Scratch still cannot meet above acceptance criteria after being polished.
3	Pits on the terminal		×	Accept: Within 3mm with the positioning hole as a center: indentation radius≤0.2mm, and indentation depth≤0.2mm acceptable; Beyond 3mm away from the positioning hole: ①indentation depth≤0.1mm acceptable; ②depth between 0.1~0.2mm and length≤0.2mm, qty≤3 acceptable; ③depth> 0.2mm not acceptable. The indentation of the volumetric probe is acceptable Reject: Pits can still not meet above acceptance criteria after being polished.
4	Dirt and pollution on the terminal		×	Accept: Wipable dirt is not allowed on the surface of the terminal, the non-wipable pollution can be polished by the sandpaper of 1000 or above mesh, however, the powder dirt and touchable particle pits are not allowed on the polished terminals. Reject: Still cannot meet above standard after treatment.

5	Incomplete of the terminal		×	Accept: From terminal edge to center, notch length≤2mm, width≤1.5mm, qty≤1 acceptable. Reject: The notch exceeds above acceptance standards.
6	Incomplete on terminal rubber ring	V		Accept: Length < 5mm perimeter and no continuous damage on ceramic/metal is exposed, qty≤1 acceptable; length≤1mm, depth≤1.3mm, and no continuous damage on ceramic/metal is exposed, qty≤5 acceptable. Reject: The rubber ring notch exceeds above acceptance standards.
7	Dirt and pollution on the terminal rubber ring	A CONTRACTOR	×	Accept: No any electrolyte contamination is allowed on the terminal rubber ring. Reject: The above requirement is not met.
8	Terminal corrosion (e.g. green, whitish, rust)	1 Contractions of the second s	Corrosion rating>3 degree	Accept: 3 degree standard: surface stain residual and erasable dirt are not allowed; Non-erasable dirt area is less than 1/4 of the terminal area is acceptable, the corrosion can be sanded. Reject: The corrosion area is more than 1/4 of the terminal area and cannot be sanded.
9	Sanding of the terminal		×	Accept: The terminal can be polished with sandpaper of 1000 or above mesh, after sanding, there is no visible particle residue on the surface. Reject: The above requirement cannot be met after sanding.

10	Black prints and grinding on the surface of terminal		×	Accept: The black print length≤5mm, qty≤2 marks, the dirty black marks can be erased or sanded. Reject: The above requirement cannot be met after sanding.
11	Damage and deform of the explosion-p roof valve			Accept: Explosion-proof valve damage and irregular deformation is not allowed. Reject: The above requirement cannot be met.
12	Bulge of the explosion-p roof valve		×	Accept: Explosion-proof valve bumps are not allowed. Reject: The above requirement cannot be met.
13	PET film abnormal of the explosion-p roof valve		×	Accept: No any missing, damage, dirty are allowed, the PET film can be replaced with new one if any abnormal exists. Reject: The above requirement cannot be met.
14	Color difference of the explosion-p roof valve		NA	Accept: Color difference of the explosion-proof valve for cells in one batch is acceptable. Reject: Need to be discussed.
15	Dirt and electrolyte pollution on the explosion-p roof valve	- Co	×	Accept: Glue residue is allowed, residual liquid and oil φ≤3mm is acceptable. Reject: Residual liquid and oil ≥3mm.

16	Rubber ring cracks and welding wires on the terminal		×	Accept: Cracks are not allowed on the rubber ring, the welding wires are acceptable. Reject: The above requirement cannot be met.
17	Protrusion of the blue film from the edge of the terminal	×	×	Accept: The protrusion of the blue film from the edge of the terminal is not allowed Reject: The blue film is exposed out of the edge of the terminal.
18	Seal nails warp issue		×	Accept: Seal nails warp ≤0.2mm Reject: Seal nails warp >0.2mm
19	Damage of the wrapping film	~		Accept: Blue wrapping film no damage, no aluminum shell is exposed, damage≤3mm can be patched, patch size 20*20mm, qty≤1place Reject: The above requirement cannot be met.
20	Foreign material under the wrapping film		×	Accept: Soft foreign material is allowed, hard foreign material is forbidden. Judging criteria on main surface: with clamp force 300Kgf, if the blue film in the corresponding position of the foreign material is not whitish, it can be determined as a soft foreign material, and if is is whitish, it is a hard foreign material. Judging criteria on side surface: press by hand, if the blue film is

				not whitish in the corresponding position, it can be determined as a soft foreign material, and if it is whitish, it is a hard foreign material. Reject: Hard foreign material exists.
21	Pleats of the wrapping film	~	×	Accept: The individual pleat width≤2mm, and pleat length≤10mm, and qty≤2 pleats. Reject: The above requirement cannot be met.
22	Warping of the wrapping film		×	Accept: The warping between the blue films(coincident edge) at the end side of the cell should not exceed the edge side of the cell, and the warping qty≤1. Reject: The above requirement cannot be met.
23	Wrapping Bubbles		×	Accept: Bubble diameter ≥ 10 mm is not allowed; 8mm $<$ bubble diameter ≤ 10 mm, 1bubble allowed; 4mm $<$ bubble diameter ≤ 8 mm, bubble qty ≤ 5 allowed; 2mm $<$ bubble diameter ≤ 4 mm, bubble qty ≤ 10 allowed for each side; bubble diameter ≤ 2 mm is acceptable. Patch is allowed, patch size $\leq 20*20$ mm, qty ≤ 1 patch. Reject: The above requirement cannot be met.
24	Scratch on wrapping film	~	×	Accept: The scratches are acceptable when they don't damage the blue wrapping epidermis and exposure the aluminum shell, at the same time the insulation test can be passed. Reject: The above requirement cannot be met.

25	Pits on the blue wrapping film	~	×	Accept: Pit diameter≤10mm, and depth≤0.3mm, and qty≤3 pits. Reject: The above requirement cannot be met.
26	Color difference on the blue wrapping film	mit the state that the second	NA	Accept: Wrapping film color difference is not allowed for the cells in the same group. Reject: The above requirement cannot be met.
27	Crook of insulation sheet			Accept: The insulation sheet is not allowed to exceed the edge of the battery cell, and should not cover the terminals, QR code and explosion-proof valve. Reject: The above requirement cannot be met.
28	Warping of the insulation sheet	EVEL DO2	×	Accept: The coating insulation sheet is not allowed to warp except for the 4 corners. The warp height of the 4 corners should be less then 4mm (shown as the picture) Reject: The above requirement cannot be met.
29	Pleats on the insulation sheet	✓ ←	×	Accept: No Pleats and damage on the insulation sheet. Reject: The above requirement cannot be met.

30	Crease on the main sides			Accept: Crease length≤50mm, and the qty*width≤2*2mm. Reject: The above requirement cannot be met.
31	Top white on the blue wrapping film			Accept: Top white on the blue wrapping film is not allowed. Reject: Top white on the blue wrapping film occurs.
32	Dirt and pollution on the blue wrapping film	~	×	Accept: No any dirt and pollution on the blue wrapping film. Reject: There is any dirt and electrolyte pollution on the blue wrapping film.
33	Foreign material, crook, bubble on the insulation sheet at the cell bottom	1	×	Accept: The bottom insulation sheet is not damaged, does not exceed the edge of the battery cell. The bottom bubble is acceptable Reject: The bottom insulation sheet exceeds the edge of the battery cell, and any hard foreign material exists.

Customer signature:

3: Uner



