

Logistics Solution for N+1 Generation Industrial and Commercial Energy Storage Cabinets



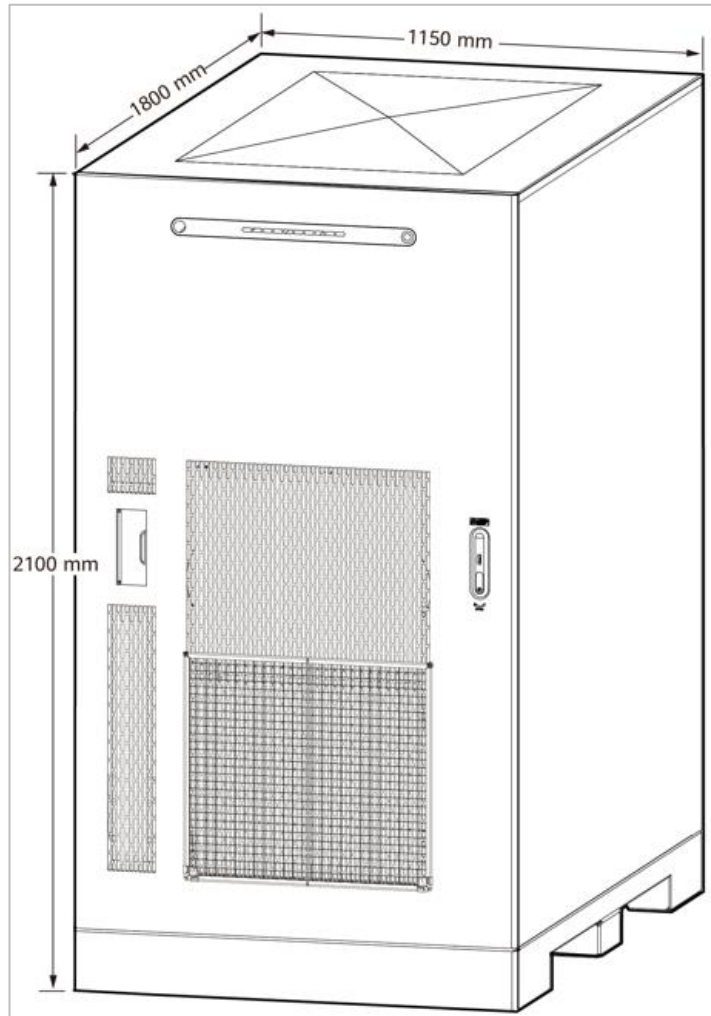
Security Level:





Contents

- 1. Basic product information and logistics constraints**
- 2. Recommend logistics solution**

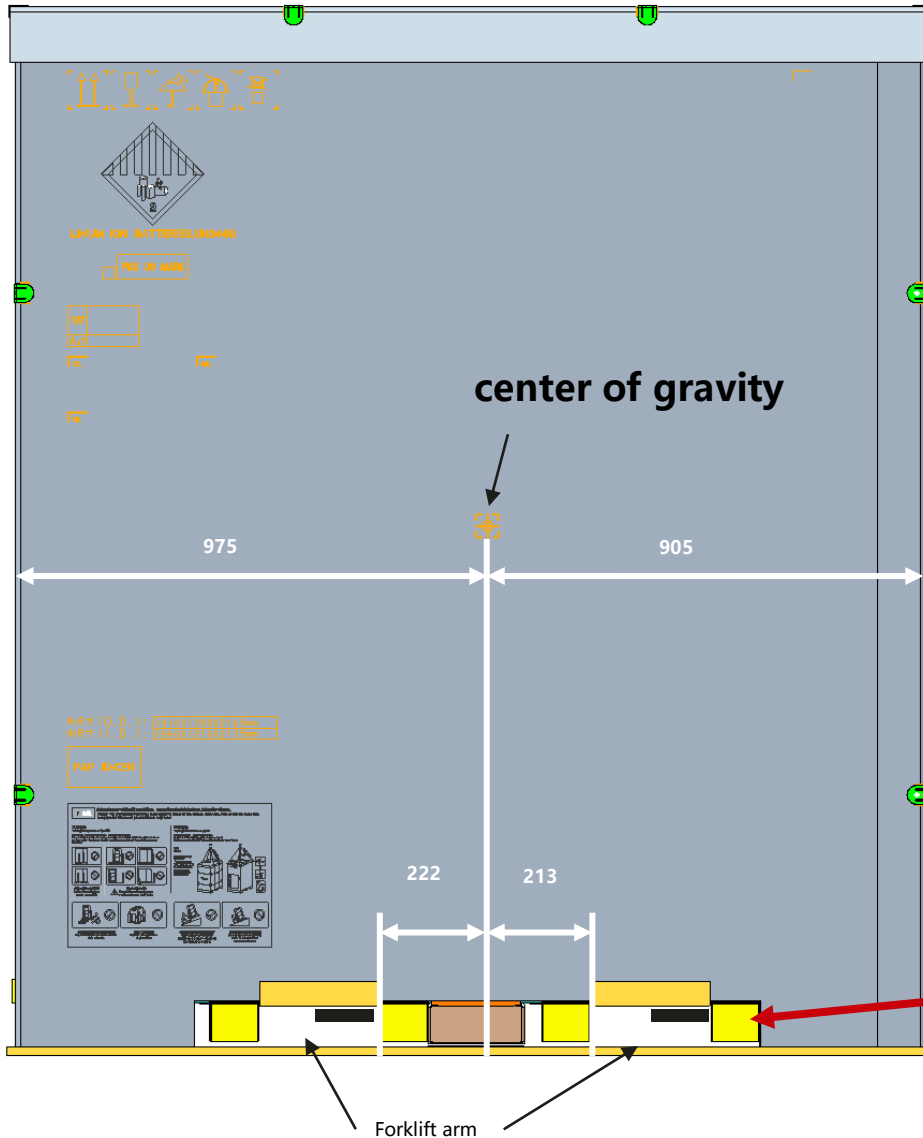
Product Appearance Information



Product information: N+1 generation industrial and commercial energy storage cabinets are integrated, weighing 2.8T.

	N+0.5 generation	N+1 generation
Size with package (mm)	2570 * 950 * 2100	1910*1300*2165mm
Weight (kg)	2750 (including batteries)	2800 kg
Attribute of dangerous goods	general goods	Dangerous Goods, Category 9, UN 3480
Product Image Reference	<p>Separate transportation of the cabinet and lithium battery pack</p> 	<p>Integrated transportation (no fire cylinder overseas)</p> 

Product information: Due to the eccentric center of gravity, add the fork limit baffle to prevent tilting during forklift operation, common manual forklift truck cannot operate.



Lift from long direction: The spacing between the two fork arms > 440 mm

Width fork: fork arm length ≥ 200 mm

Length fork: fork arm spacing ≥ 440 mm



Fork limit baffle



Lift from width direction: the length of forklift truck arm ≥ 2000 mm

Logistics constraints: Difficult to load in and unload off truck, need to use qualified truck, loading weight distribution and reliable lashing method .

Dangerous (9 class DG)

Transportation

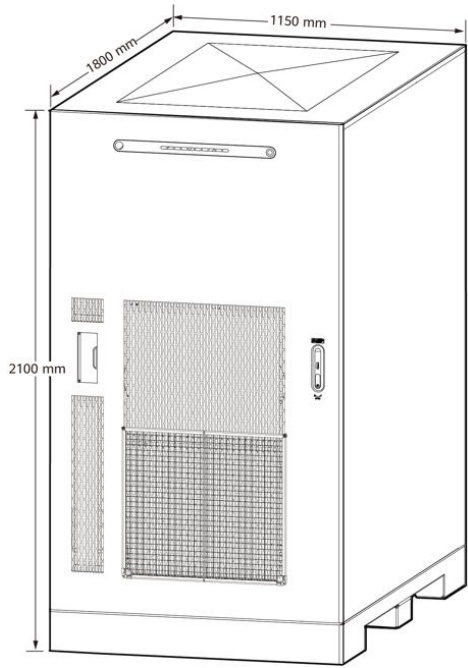
- Use qualified vehicles that meet local laws and regulations.

Heavy (2.8 tons per piece)

loading and unloading

- The manual forklift can't handle, the electric/internal combustion forklift truck or manual electric drive assisted forklift truck should be used. Based on unloading conditions(has a cargo platform or not), choose the right transportation vehicle type and unloading tools, and prepared in advance.
- After loading in truck, lashing method should be used for goods security
















Large (5.4 CBM, 2.165 m high)



Contents

1. Basic product information and logistics constraints
2. Recommend logistics solution

Select transportation vehicles and corresponding loading and unloading tools based on different scenarios.

	Option 1 - Container truck	Option 2 (Flying Wing Vehicle)	Option 3 (Van –with Side Door)
Vehicle Type			
Loaded	 or 		
Unloading (with a cargo platform)	 or 		
Unloading (without the delivery platform)	 And  or 		
Advantages and disadvantages	Marine shipping only can use container	<p>Advantages:</p> <ol style="list-style-type: none"> 1. High loading and unloading efficiency 2. The end unloading electric forklift is easy to obtain; <p>Disadvantages: Less available vehicle resources</p>	<p>Advantage: Many available vehicle resources</p> <p>Disadvantages: Low utilization of carriages; difficult to keep cargo securing</p>

Technical requirements for loading and unloading tools: electric/internal combustion forklift, Manual electric drive assisted forklift truck , truck crane

Electric/internal combustion forklift technology:

- Loading capacity ≥ 4 tons
- Adjustable spacing between two fork arms
- Fork arm length ≥ 2 m



Manual electric drive assisted forklift truck (customized in some areas)

- Loading capacity ≥ 4 tons
- **Spacing between fork arms ≥ 440 mm (common forklift < 360 mm)**
- Fork arm length ≥ 2 m

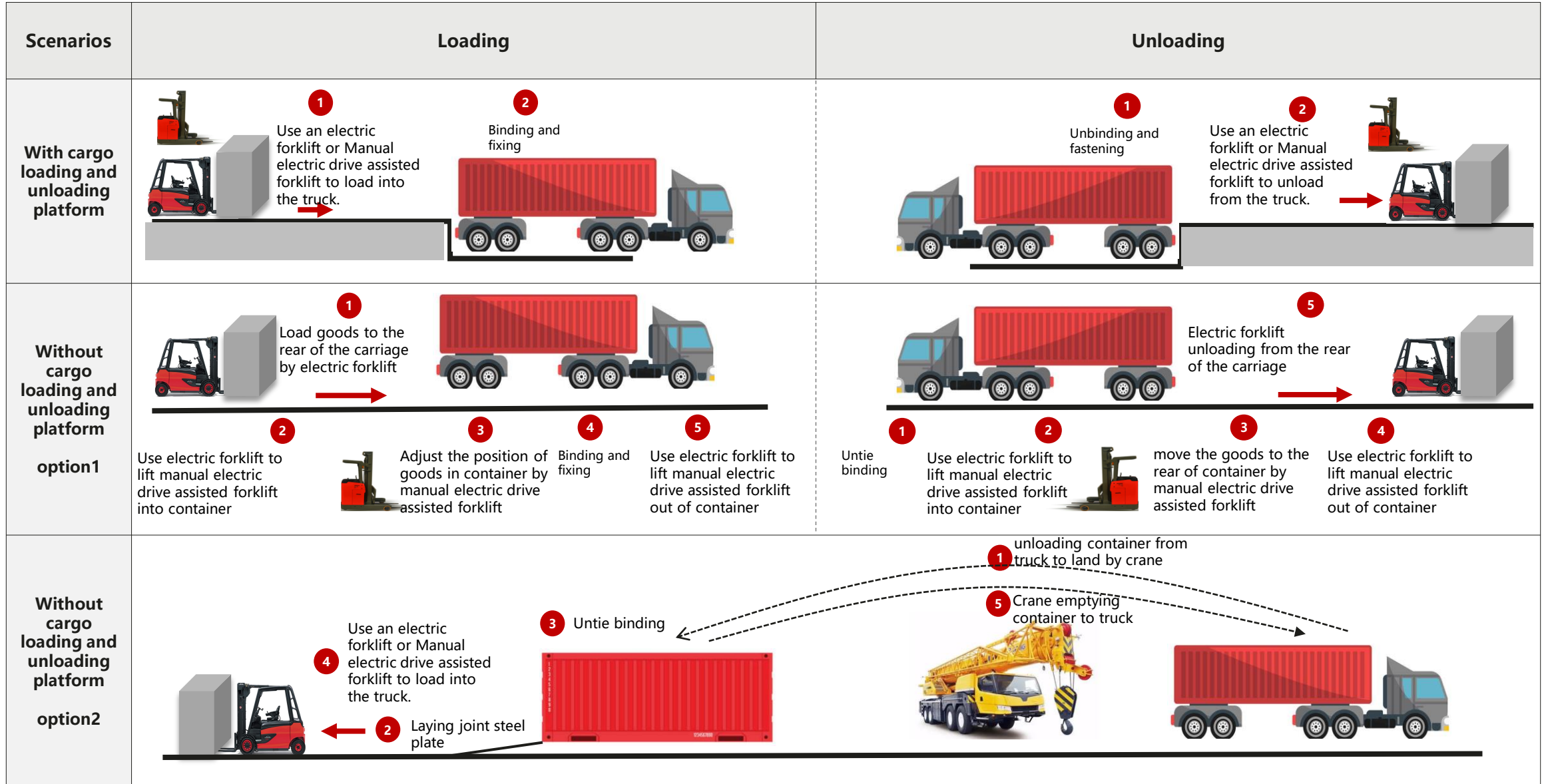


Truck crane:

- The crane loading capacity more than 30 tons;
- Have the qualification for hoisting operation;





Container vehicle loading and unloading process



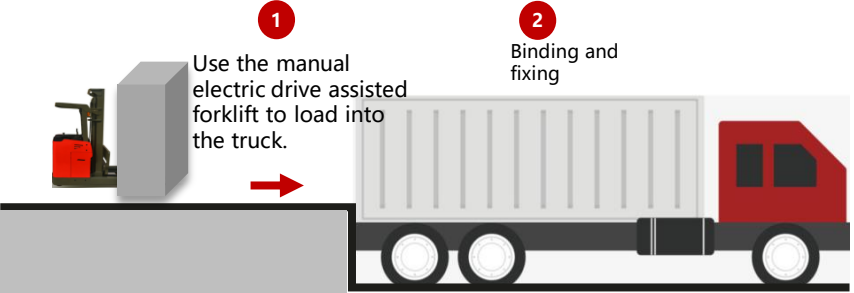
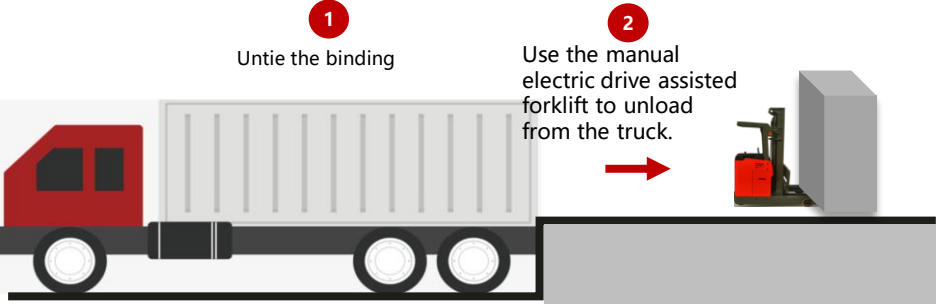
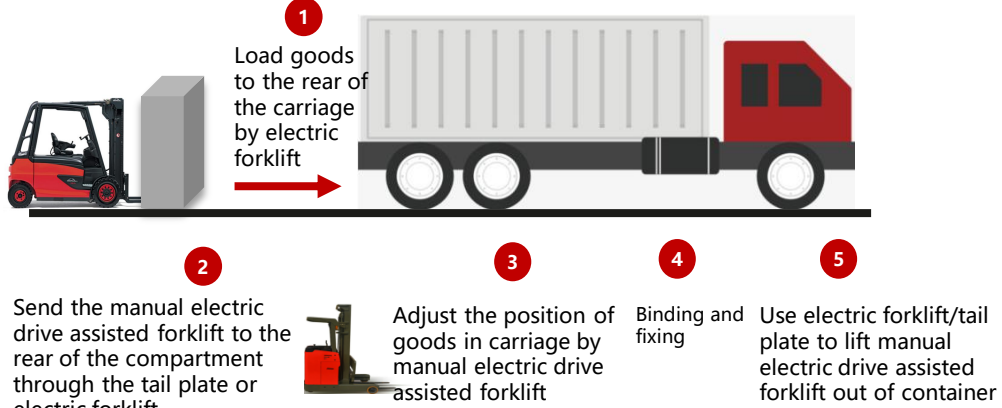
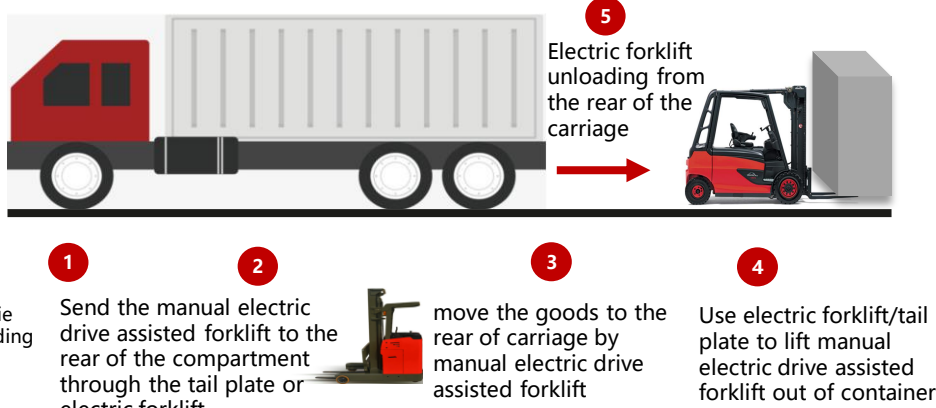
10 *The forklift truck operates smoothly, and the forklift arm is not higher than 10CM from the ground during transfer.

flying wing truck or truck with side door Loading and unloading process

	Loading	Unloading
With or without cargo loading and unloading platform		

***The forklift truck operates smoothly during operation, and the forklift arm is not higher than 10CM from the ground during transfer.**

Truck without side door loading and unloading process(qualified manual electric drive assisted forklift is must)

Scenarios	Loading	Unloading
<p>With cargo loading and unloading platform</p>	 <p>1 Use the manual electric drive assisted forklift to load into the truck.</p> <p>2 Binding and fixing</p>	 <p>1 Untie the binding</p> <p>2 Use the manual electric drive assisted forklift to unload from the truck.</p>
<p>Without cargo loading and unloading platform</p>	 <p>1 Load goods to the rear of the carriage by electric forklift</p> <p>2 Send the manual electric drive assisted forklift to the rear of the compartment through the tail plate or electric forklift</p> <p>3 Adjust the position of goods in carriage by manual electric drive assisted forklift</p> <p>4 Binding and fixing</p> <p>5 Use electric forklift/tail plate to lift manual electric drive assisted forklift out of container</p>	 <p>5 Electric forklift unloading from the rear of the carriage</p> <p>1 Untie binding</p> <p>2 Send the manual electric drive assisted forklift to the rear of the compartment through the tail plate or electric forklift</p> <p>3 move the goods to the rear of carriage by manual electric drive assisted forklift</p> <p>4 Use electric forklift/tail plate to lift manual electric drive assisted forklift out of container</p>

* The forklift truck operates smoothly during operation. During transfer, the forklift arm is not higher than 10CM from the ground.

*If the vehicle comes with a tailboard, it is prohibited to use the tailboard for loading and unloading

Thank you.

把数字世界带入每个人、每个家庭、
每个组织，构建万物互联的智能世界。

Bring digital to every person, home and
organization for a fully connected,
intelligent world.

**Copyright©2018 Huawei Technologies Co., Ltd.
All Rights Reserved.**

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

