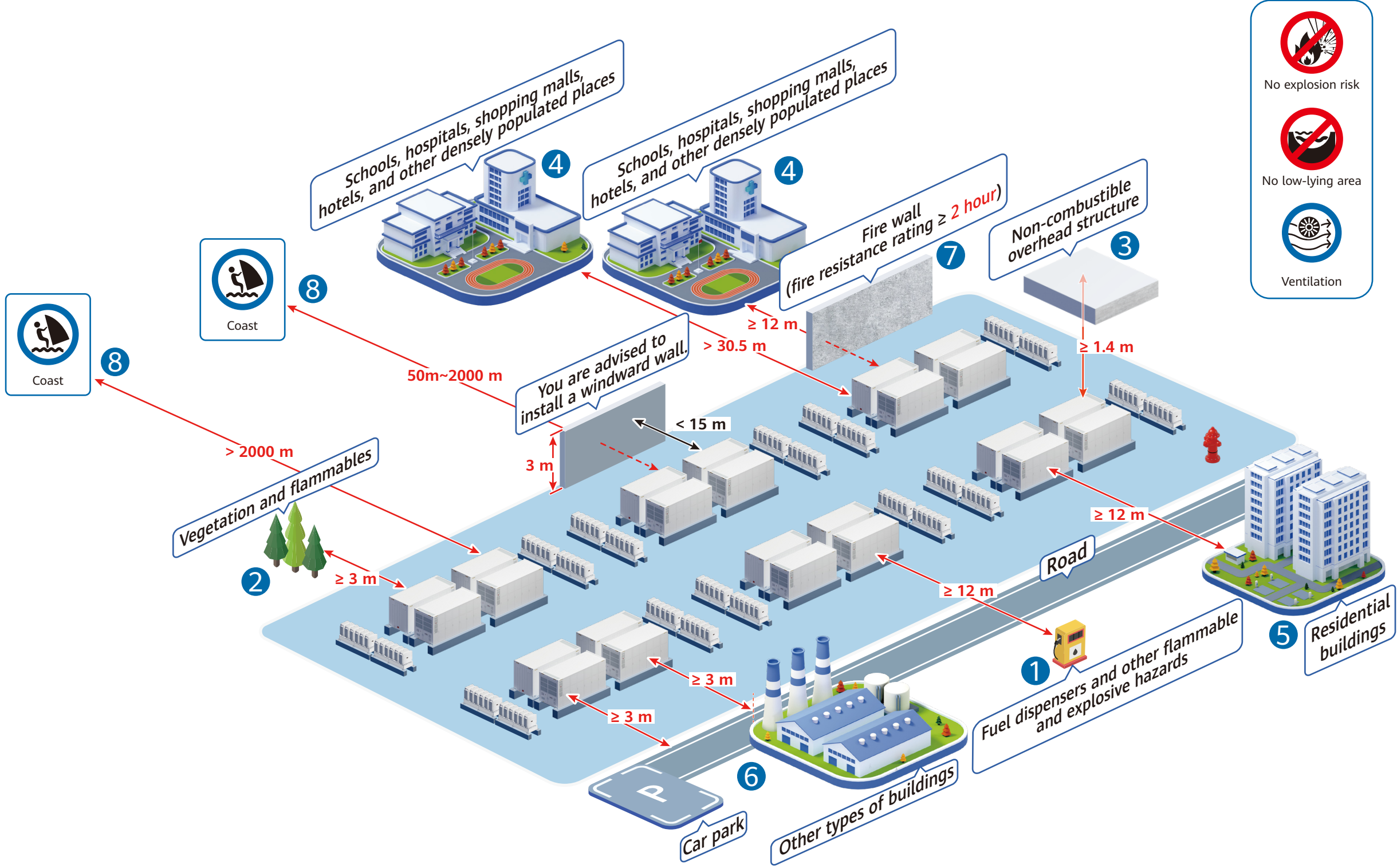


# Site Requirements

Applicable product models: LUNA2000-(2236-5015) Series

| Site Selection Requirements     |                             |                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compliance with local standards |                             | The ESS site selection and installation shall comply with local ESS standards and fire protection regulations or stand ards.                                                                                                                                                                                                                     |
| Deployment space                |                             | The ESS applies only to outdoor scenarios and must not be deployed indoors.                                                                                                                                                                                                                                                                      |
| 1                               | Hazardous chemicals         | The distances between the ESS and flammable and explosive hazards such as fuel dispensers, oil tanks, gas tanks, and hydrogen dispensers shall be $\geq 12\text{ m}$ . The distance must not be shortened by using a fire wall.                                                                                                                  |
| 2                               | Vegetation and flammables   | There shall be no vegetation or flammables within $3\text{ m}$ of the site.                                                                                                                                                                                                                                                                      |
| 3                               | Overhead structure          | If an overhead structure is necessary, the following conditions must be met:<br>1. The distance between the overhead structure and the top of the ESS shall be $\geq 1.4\text{ m}$ .<br>2. The overhead structure shall be non-combustible.                                                                                                      |
| 4                               | Densely populated buildings | The distance between the ESS and densely populated places such as schools, hospitals, hotels, and shopping malls shall be $> 30.5\text{ m}$ . If the safety distance cannot be met, fire walls must be deployed between the ESS and buildings, and the distance between the ESS and buildings shall be $\geq 12\text{ m}$ .                      |
| 5                               | Residential buildings       | The distance between the ESS and residential buildings shall be $\geq 12\text{ m}$ . The distance must not be shortened by using a fire wall.                                                                                                                                                                                                    |
| 6                               | Other buildings             | The distance between the ESS and production plants, public roads, and parking spots shall be $\geq 3\text{ m}$ . The distance must not be shortened by using a fire wall.                                                                                                                                                                        |
| 7                               | Fire wall requirements      | The fire walls shall have a 2-hour or higher fire resistance rating and shall extend $1\text{ m}$ above and $1\text{ m}$ beyond the physical boundary of the ESS.                                                                                                                                                                                |
| 8                               | Coastal requirements        | The site shall be $> 2000\text{ m}$ away from the coast. When the site is 50–2000 m away from the coast, select a model based on the site corrosion level. You are advised to install a windward wall ( $3\text{ m}$ high and within $15\text{ m}$ of the container). Do not use the ESS in an area less than $50\text{ m}$ away from the coast. |
| Salt fog and pollution          |                             | The ESS shall not be installed in salt-affected or polluted areas because this will cause corrosion.                                                                                                                                                                                                                                             |
| Distance from the ground        |                             | The horizontal level of the installation site shall be above the highest water level of that area in history and at least $300\text{ mm}$ above the ground. The site must not be located in a low-lying land.                                                                                                                                    |
| More requirements               |                             | For details about the requirements for oil-immersed transformers, fire access, and fences and walls, see the user manual.                                                                                                                                                                                                                        |



### Scenario of using a forklift and crane

Use a forklift to install and maintain a battery pack.  
Use a crane to install and maintain an LTMS.

### Scenario 1 of using a forklift only (the height of PCSs or obstacles around the ESS ≤ 1.8 m)

When using a forklift to install and maintain the LTMS on the PCS side, you need to lift the LTMS to a height greater than 1.8 m before moving the LTMS.

### Scenario 2 of using a forklift only (the height of PCSs or obstacles around the ESS > 1.8 m)

When using a forklift to install and maintain the LTMS on the PCS side, you can directly move the LTMS without lifting it.