

## Quality Statement for Modules Installed at Seaside

In the consideration of the project installation site environment at seaside, as well as LONGi standard installation manual and limited product warranty, we, LONGi Solar Technology Co.,Ltd, (hereinafter referred to as “LONGi”) hereby confirm: LONGi agrees to provide the warranty for modules installed at seaside if below installation and maintenance guidance are followed.

### 1. Distance from the sea:

Item	From the sea	Installation	Maintenance measures	Quality guarantee
General Installation	Distance $\geq$ 500m	Generally	Generally	Under warranty
Seaside Installation	50m < Distance < 500m	Corrosion protection	Generally and additionally	Under warranty
Prohibited Installation	Distance $\leq$ 50m	Prohibited	/	Void warranty

NOTE: Although the modules are installed at a distance of 50 meters away, due to force majeure, the modules are completely or partially soaked by seawater, LONGi warranty will automatically be invalid.

When customers plan to purchase LONGi modules for seaside installation, they shall clarify this intention with LONGi sales. LONGi has the right to request customers to provide environmental information of the installation site (e.g., composition of seawater, geographical environment, annual wind speed, temperature, humidity, height of tides, salt deposition, etc.).

### 2. Corrosion resistant introduction for beach power station:

LONGi has got IEC6170:2011 certification of salt mist corrosion test, which follows IEC60068-2-52 testing conditions, manifesting that LONGi module has the ability of corrosion resistance for long time by experiment.

Meanwhile, Modules and PV system shall be taken protective measures on the beach. The aluminum alloy (model no. 6063-t5) of LONGi will have electrochemical corrosion in the contact area with other metals in the environment of sea salt fog, especially in the places with gaps. Even if there is no direct contact, corrosion will occur due to the presence of conductive electrolyte.

### 3. Installation requirement:

Firstly, all requirements in the installation manual must be followed. Secondly, the below instructions must be followed:

- 3.1. Don't scratch Corrosion resistant layer with the surface of modules and PV system
- 3.2. All of balance of systems for PV installation, must be resistance to salt mist and corrosion of sea water. Such as aluminum alloy (model: 5052/5056/5086/6061/6063/5356), stainless steel (model: SUS316), galvanized steel and nonmetal materials (such as: glass fiber). Among them, aluminum alloy and non-metal materials can contact with the frame directly without electrochemical corrosion.
- 3.3. Insulation or corrosion protective measures must be taken. Direct connection parts of non-aluminum alloy metal material (such as racking, fixture, mounting bolt) and the module frame, or any gap shall use insulation gaskets (rubber gasket and mica plate) or anticorrosive paint for protection.
- 3.4. LONGi recommends to use stainless steel grounding terminals, don't use copper and alloys material, also the overall coating anticorrosion is necessary after installation

- 3.5. To keep water flow away on the module surface, module needs to be installed with a minimum angle of ten degrees.
- 3.6. To ensure optimum module performance for near-coast installation, maintenance measures of LONGi standard installation manual is generally recommended and additionally the following maintenance measures shall be taken:
  - (1) Check the frame, mounting system, grounding block and other junction areas for potential signs of corrosion.
  - (2) Clean the frame, mounting system, grounding block and other junction areas from salt and dust accumulation.