

Floating Solar Power System

Island Countries Solar Power Solutions



旭東環保科技

*Sun Rise E&T
Co., Ltd.*

▶ About Sun Rise E&T

Sun Rise E&T Co., Ltd. established in 1995, Sun Rise E&T is committed to top quality high density polyethylene (HDPE) pipes. In 2010, the firm solely developed and promoted their floating solar power system within the energy industry sector.

Realizing global warming challenges are urgent, the firm has long invested in research development of green materials and renewable energy, and has produced HDPE pipes with lesser pollution to the environment. Sun Rise E&T actively promotes Floating Solar Power System domestically and abroad, excavating more possibilities for backup energy source. In addition, this could generate more cross-sector collaboration, maintain earth's sustainability, create potential business opportunities and professional developments for corporations.



旭東環保科技股份有限公司
SUN RISE E&T CORPORATION

Tel / +886-8-753-0968

Fax / +886-8-753-5986

Address / No. 2, Huandong St., Pingtung City, Pingtung County 900508

sunrise@srise.com.tw

▶ Floating Solar Power System



Photo of Case Study

Sun Rise E&T successfully developed the first floating solar power system in 2010. By maintaining the core value of continuous optimization and improvement throughout the years, the firm has obtained various certificates and received patents from over 44 countries. Furthermore, actual establishments of the floating solar power system domestically and abroad are more than 100MW.

Sun Rise E&T manufactures the base of the floating solar power structure by using HDPE-PE100 material that could be used for more than 25 years; not only could it be recycled, but also does not affect the water quality. Additionally, it also holds other features such as anti-corrosion, acid and alkali resistant, high stability and high tenacity.

With the special design, the aerodynamics of this structure could effectively raise the volume of power generation. Furthermore, due to structural strength, it allows the system to naturally adapt to the water level changes within dry and wet terrain, thus largely raising the durability of solar power products.

The system could adjust the angle and position of the panel according to its needs and provide anchor design that fulfills the requirements. High strength of its system combines with appropriate buoyancy design and stable anchor has not only safely passed Japanese rigid wind tunnel tests, but also various wind disaster tests due to past abundant installation experiences.



Floating Solar Power System Main Walkway

▶ Product Features



Safety Access to floating solar power system from Shore



Solar Panels and Relevant Components

Own international patent, components for the floating system is designed to adjust its panel slightly in order to face the sun's ray.



Buoy Base

The integrally injection molded buoy base carries and connects solar panels of different installation areas.



Pipeline Repair Bridge

The foot pedal connected to the buoy base could provide daily construction and maintenance by installing pipelines or safety handrails.

