

## ISIFLOATING: **HIGH QUALITY AND DURABLE** FLOATING SOLAR SYSTEM



Designed to be installed as part of floating solar projects over **multiple water environments**: hydropower plants, irrigation reservoirs, natural lakes, water treatment, quarry lakes, tailing dams, aquaculture farms and others

### **MAIN ENVIRONMENTAL BENEFITS**



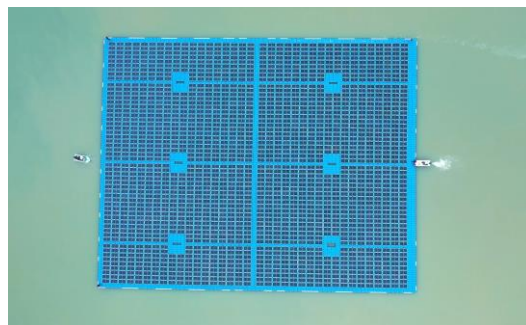
- Increases ~10-15% photovoltaic power performance thanks to cooling effect
- Produces renewable energy closer to power consumption

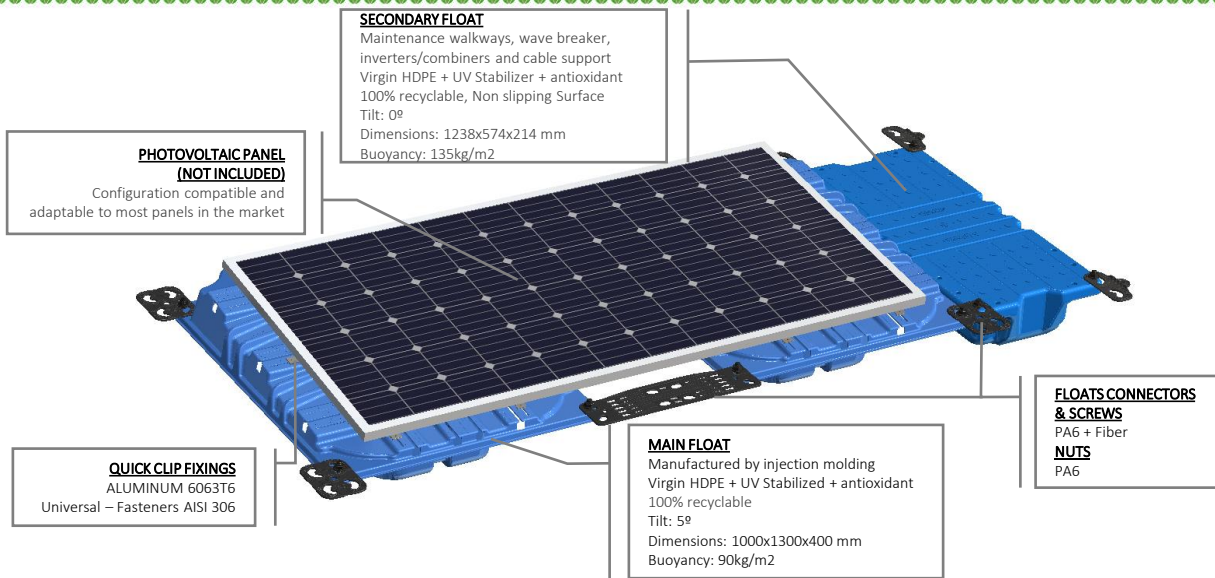


- Reduces water evaporation by ~80% as the system acts as a protective ceiling
- Improves water removing algae and reduces infrastructure maintenance costs



- Preserves land for agriculture, livestock or forestry
- Reduces visual impact





## ✓ HIGH QUALITY

- ◆ Patented bi-float design per PV panel. Manufactured using virgin HDPE (with UV and antioxidant additives and 100% recyclable)
- ◆ Injection manufacturing for maximum precision and therefore durability
- ◆ Minimum thickness > 2mm of the main float, guarantee of maximized strength and longevity
- ◆ Maximum manufacturing speed (1MWp of floats produced in less than 5 days)

## 🔌 ADAPTABILITY

- ◆ Accompanies water level variations without displacement, even up to emptying
- ◆ Phased implementation is possible with increasing energy needs
- ◆ High power density for energy maximization
- ◆ Withstands strong winds (180 km/h); wave heights of 1 m (more if anti-wave barriers used) and extreme temperatures (-20° to 60°C)

## 🔒 SAFETY

- ◆ Easy and secure walking access to any solar panels for cleaning and maintenance tasks
- ◆ State-of-the-art quality control and specifications
- ◆ Optimized stability and buoyancy resulting from the experience accumulated since 2009
- ◆ Optimized aerodynamic coefficient, by eliminating the "sail" effect at the rear of the panel and by the 5° inclination of the PV panels

## 📈 COST EFFICIENCY

- ◆ Logistics and storage optimized by the nestable and stackable design (1 MWp takes < 8 - 40' containers)
- ◆ Reduced assembly teams with no specialization required. Only basic tools and equipment are used
- ◆ Fast assembly speed (1MWp in less than 15 days with a team of 5 people)
- ◆ Cleaning with basic equipment and compatible with robotic cleaning