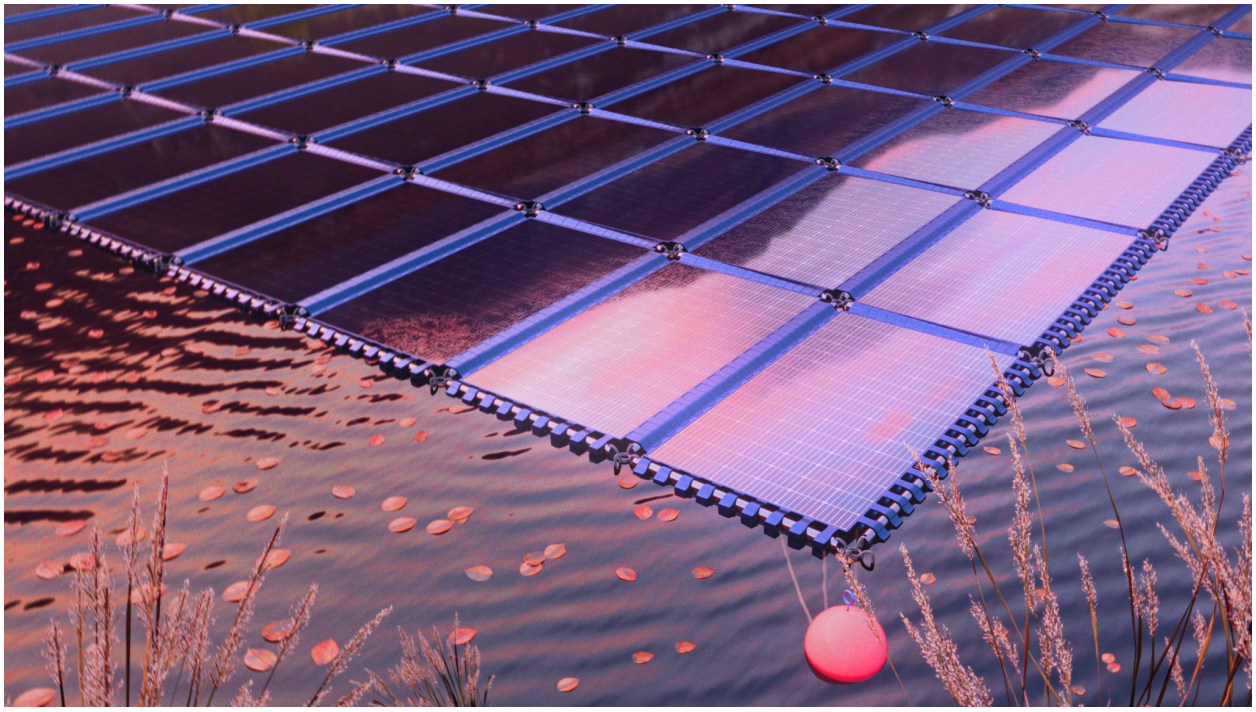
CONNECT

floating solar by SUNLIT SEA

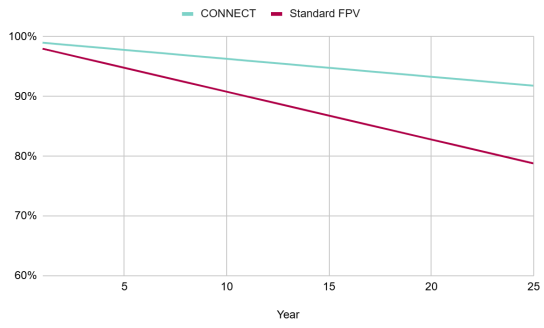


740 Wp	2.5 × 1.4 m²	50.2 kg

Certification

ISO9001
ISO14001
ISO45001
IEC62941

25 year performance warranty | 12 year product warranty | 0.3% annual degradation



SUNLIT SEA delivers rugged floating solar systems for inland and nearshore applications. The CONNECT platform combines standard PV modules with durable aluminum and polyurethane floats, engineered for fast assembly, easy maintenance, and reliable performance in demanding environments. With a fixed tilt for optimal energy yield, CONNECT is walkable, resistant to water ingress and PID, and benefits from the cost and efficiency advantages of mainstream solar panels.

For more information, contact us at **post@sunlitsea.no**

ELECTRICAL (STC)	
Pmax (Wp)	740
Voc (V)	50.47
Isc (A)	18.56
Vmpp (V)	42.32
Impp(A)	17.50
Module Efficiency (%)	23.8
ELECTRICAL (NMOT)	
Pmax (Wp)	565
Voc (V)	47.29
Isc (A)	15.22
Vmpp (V)	39.57
Impp(A)	14.28
MECHANICAL (MODULE)	
Solar cells	n-type HJT
Cell configuration	132 cells (6 × 11 + 6 × 11)
Dims. (LxWxH, mm^3)	2384 × 1303 × 33
Weight (kg)	37.5 kg
Superstrate	2.0 mm, High Transmission, AR Coated Heat Strengthened Glass
Substrate	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0 mm^2 , 260 mm (-), 360 mm (+), connector included
Connector	PV-SY02
Max test load (Pa)	Front: 5400, Back: 2400
MECHANICAL (FLOAT WITH MODULE)	
Dims. (LxWxH, mm^3)	2543 × 1462 × 89
Weight (kg)	50.2
Hinge length (mm)	159
Rod diam (mm)	80
Module angle (°)	2
Encapsulation	PU, Shore-A 90, UV-treated
Infill	EPS, PU foam
Max wind (Pa)	2400
Max wave (m) 1.5	Designed for a significant wave height (Hs) of 1.5 m with a peak period (Tp) of 6.5 s, based on a 1-in-25 year return period using JONSWAP spectrum. System verified via tank test and hydrodynamic simulation.
Buoyancy (kg)	130
Waterline (mm)	34
Corrosion	All materials are corrosion-resistant for long-term use in freshwater and saline environments. The solar panel frame is fully enclosed in PU, and the marine-grade aluminum bottom plate (5083-H111) is isolated from water. All polymers are chemically stable and non-corrosive.

TEMPERATURE & MAX RATINGS	
NMOT Temp (°C)	43 ± 2
Voc Temp Coeff (%/°C)	-0.22
Isc Temp Coeff (%/°C)	0.047
Pmax Temp Coeff (%/°C)	-0.24
Operational Temp (°C)	[-40, 85]
Maximum System Voltage (V)	1500
Max Series Fuse Rating	35 A
Limiting Reverse Current	35 A
PACKAGING (40ft HQ)	
Panels per container	132
Panels per box	11
Boxes per container	12
Box volume (LxWxH, mm^3)	1633 × 1040 × 2752
Box gross weight (kg)	602.2