

Mechanical characteristics

Solar cells	60 (6 x 10) monocrystalline silicon 156 x 156 mm (6") cells
Cell connections	Filament Technology
Junction Box Protection Class	IP67
Cables	UV resistant cables 900 / 1000mm, sec 4.0 mm ²
Connectors	MC4 compatible connectors
Dimensions	1670 mm x 996 mm x 1,5 mm
Weight	4.1 kg
Application class (IEC 61730)	A

Temperature characteristics

Pmax	Temp Coefficient (α)	-0.037	% / K
Voc	Temp Coefficient (β)	-0.027	% / K
Isc	Temp Coefficient (γ)	0.004	% / K
NOCT		45°C ± 2°C	
Operating temperature		-40°C to +85°C	

Electrical characteristics at STC

Nominal	Power	(Pmax) (W)	340
Maximum	Power Voltage	(Vmp) (V)	37,5
Maximum	Power Current	(Imp) (A)	8,9
Open	Circuit Voltage	(Voc) (V)	42,9
Short	Circuit Current	(Ise) (A)	9,7
Maximum	System Voltage	(V)	1000
Series Fuse	Maximum Rating	(A)	16

FLEXIBLE



The module bends up to 35% using standard 160μ thick crystalline cells due to the use of polymer as the replacement for glass.

HIGH EFFICIENCY



Increased efficiency and longevity by reducing the temperature of PV module induced by the internal resistance.

SHADE PROTECTION TECHNOLOGY



The module will perform even when it is shaded by trees and buildings or partially covered by leaves, dirt or snow.



10-20 YEAR GUARANTEE

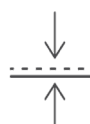
Our proprietary technology is backed by a 10 year guarantee and 80% efficiency after 20 years.

ULTRA-LIGHTWEIGHT



Reduced weight: 2.5 Kg/m² – 7 times less than traditional PV module of same size.

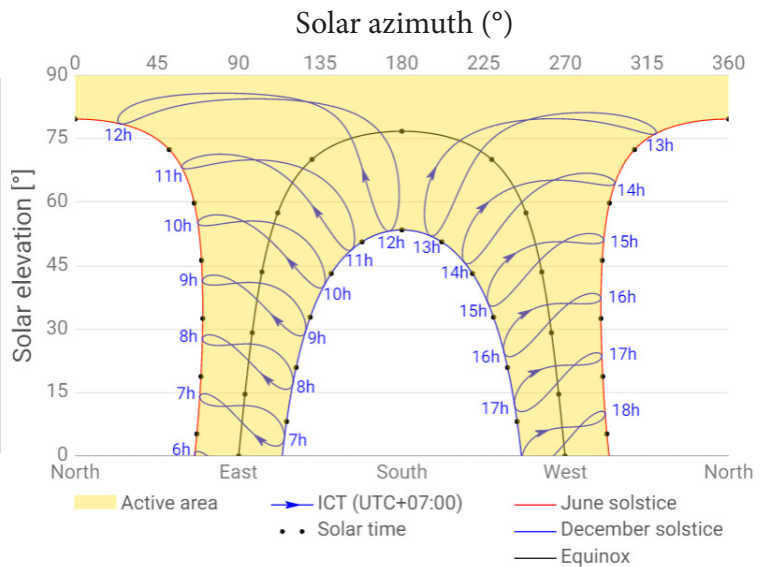
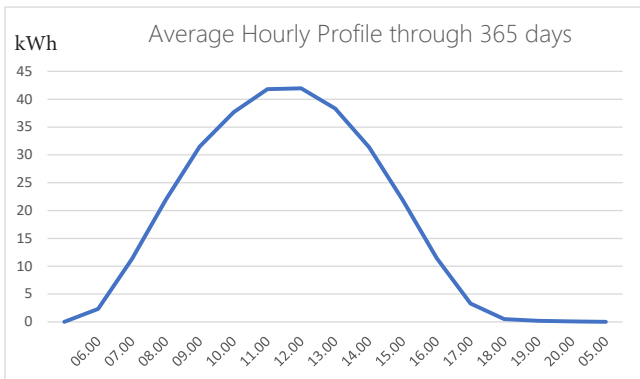
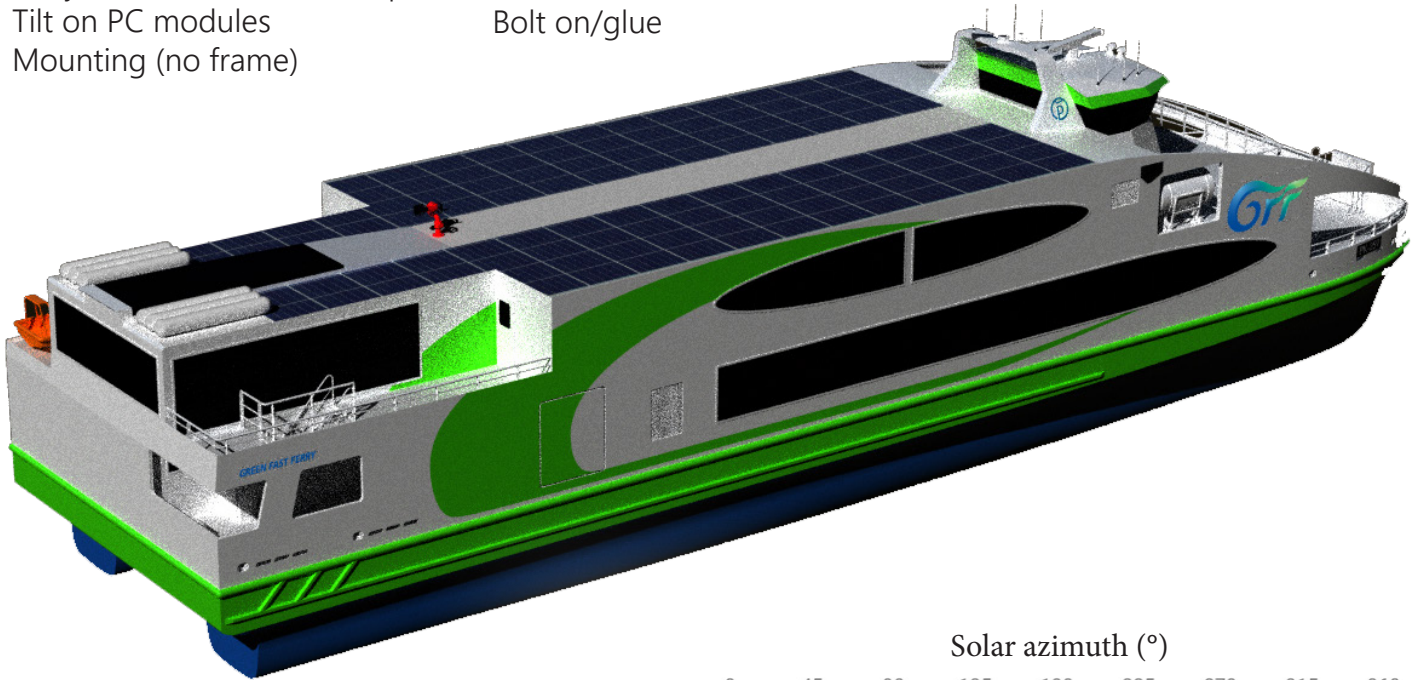
LOW PROFILE



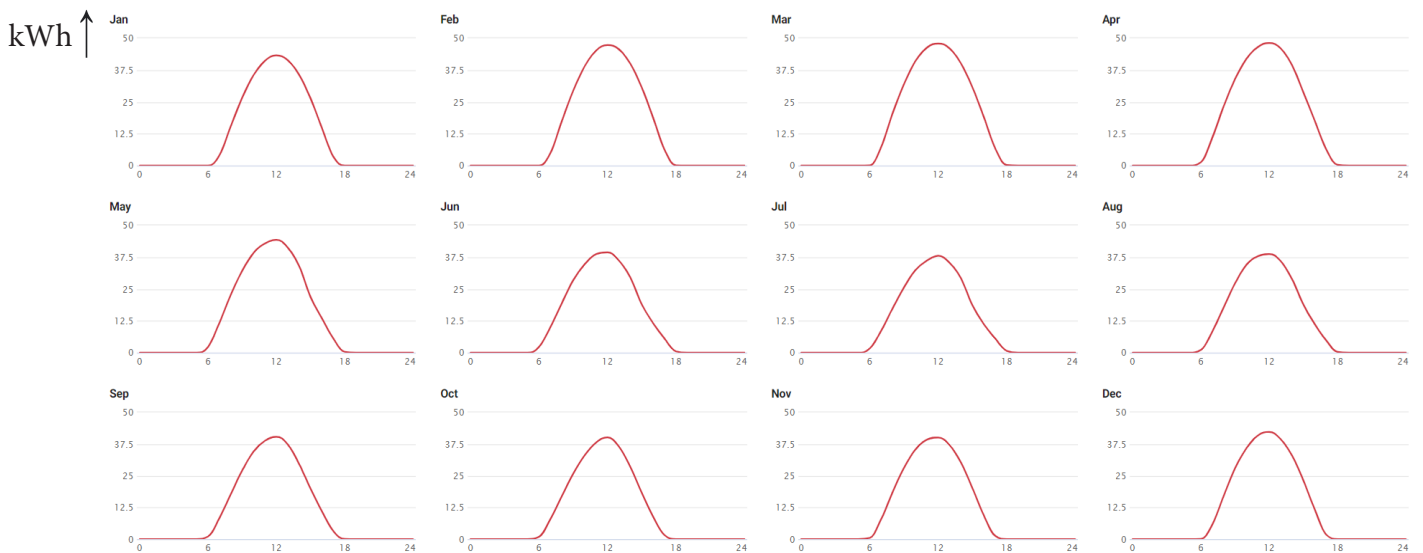
Our technology is less than 3mm thick and can be applied to a surface to minimize or eliminate wind load. We work where conventional PV cannot.

PK-259-42m Specifications for Gulf of Thailand

Suitable roofarea for solarpanels	210 m ²
Calculated Pmax	71,4 kW all panels
Total weight	525 kg
Daily	up to 341 kWh
Tilt on PC modules	Bolt on/glue
Mounting (no frame)	



Solar power potential through a year by month



Time of day (24h) →