



## **SUPPLY, DELIVERY, AND INSTALLATION OF SOLAR POWER PACK SYSTEMS FOR FISHING AND CARGO VESSELS**



## PRODUCT INFORMATION

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Our solar power kit for boats includes a flexible solar panel, marine-grade charge controller, deep cycle battery, and marine-grade battery inverter to provide you with a complete off-grid power solution on your boat. The flexible solar panel is made of lightweight and durable materials that can be easily installed on curved or uneven surfaces of your boat. The marine-grade charge controller regulates the flow of power from the solar panel to the battery, ensuring optimal charging and preventing overcharging. The deep cycle battery is designed to withstand the rigors of marine use and stores the energy generated by the solar panel to power your devices, while the marine-grade battery inverter converts the DC power from the battery into AC power that can be used to run appliances and electronics on your boat.

## FEATURES AND BENEFITS

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- Our solar power kit for boats is designed to be rugged, reliable, and efficient, making it ideal for use on boats of all sizes.
- The flexible solar panel is ultra-thin and lightweight, making it easy to transport and install on the curved surfaces of your boat.
- The marine-grade charge controller is equipped with advanced technology that protects the battery from overcharging and over-discharging, extending its lifespan and ensuring reliable power.
- The deep cycle battery is made of high-quality materials and has a large capacity, providing ample power for all your devices on the boat.
- The marine-grade battery inverter is compact and efficient, delivering clean and stable power for your appliances and electronics.

## COMPATIBILITY

Our solar power kit for boats is compatible with a wide range of devices, including marine radios, navigation equipment, fish finders, and other marine electronics. It also works with various charging cables and adapters, making it easy to connect to your devices on the boat.

## CATEGORIES AND OPTIONS

CATEGORY 1	LARGE SIZE BOATS	OPT.1 : FLEXIBLE MODULE: 430Wp OPT.2 : SEMI FLEXIBLE MODULES: 480Wp
CATEGORY 2	MEDIUM SIZE BOATS	OPT.1 : FLEXIBLE MODULE: 330Wp OPT.2 : SEMI FLEXIBLE MODULES: 320Wp
CATEGORY 3	SMALL SIZE BOATS	OPT.1 : SEMI FLEXIBLE MODULES: 160Wp

## CATEGORY 1 - OPTION 1 - FLEXIBLE MODULE



**430W**  
peak power

SOLAR

FULLY FLEXIBLE

MINIMUM SOLAR CELL EFFICIENCY: 20.8%

PRODUCT WARRANTY:

**10**  
Year

MANUFACTURER

**25**  
Year

LINEAR POWER



**4.82kWh**  
power capacity

BATTERY

ABSORBENT GLASS MAT (AGM)

12V 135Ah

MAINTENANCE FREE

MARINE GRADE



MAX PV Voc: 20V-100V

CHARGING CURRENT: 10-40A

BATTERY VOLTAGE: 12/24/48V (AUTO SELECT)

CHARGE  
CONTROLLER

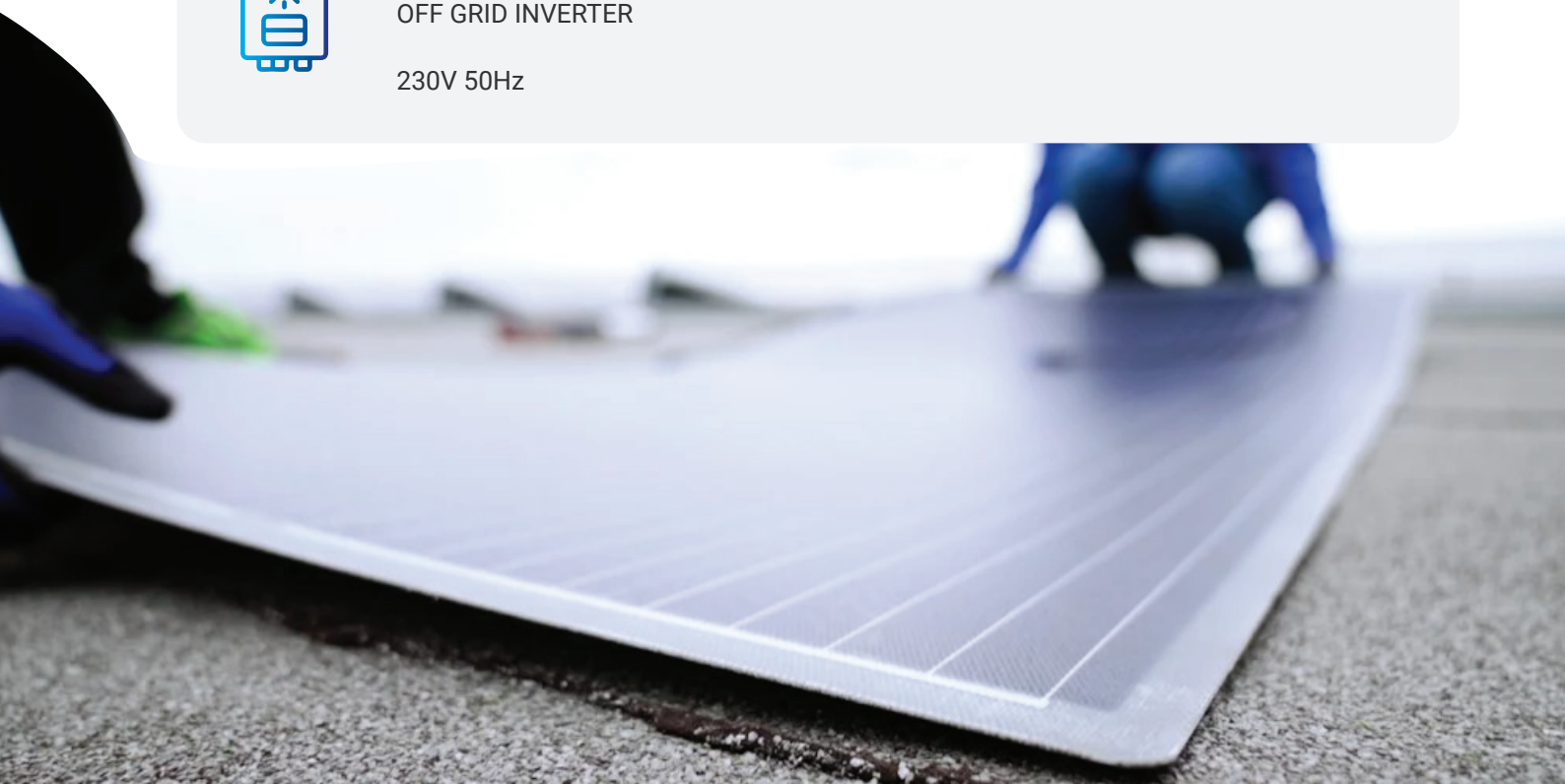


1KW

OFF GRID INVERTER

230V 50Hz

INVERTER





## CATEGORY 1 - OPTION 2 - SEMI-FLEXIBLE MODULE



**480W**  
peak power

SOLAR

SEMI-FLEXIBLE

MINIMUM SOLAR CELL EFFICIENCY: 27.5%

PRODUCT WARRANTY:

**2**  
Year

MANUFACTURER

**10**  
Year

LINEAR POWER



**4.82kWh**  
power capacity

BATTERY

ABSORBENT GLASS MAT (AGM)

12V 135Ah

MAINTENANCE FREE

MARINE GRADE

**3**  
Year

MANUFACTURER



MAX PV Voc: 20V-100V

CHARGING CURRENT: 10-40A

BATTERY VOLTAGE: 12/24/48V (AUTO SELECT)

CHARGE  
CONTROLLER



1KW

OFF GRID INVERTER

230V 50Hz

INVERTER



## CATEGORY 2 - OPTION 1 - FLEXIBLE MODULE



**330W**  
peak power

SOLAR

FULLY FLEXIBLE

MINIMUM SOLAR CELL EFFICIENCY: 20.8%

PRODUCT WARRANTY:

**10**  
Year

MANUFACTURER

**25**  
Year

LINEAR POWER



**3.24kWh**  
power capacity

BATTERY

ABSORBENT GLASS MAT (AGM)

12V 135Ah

MAINTENANCE FREE

MARINE GRADE



MAX PV Voc: 20V-100V

CHARGING CURRENT: 10-40A

BATTERY VOLTAGE: 12/24/48V (AUTO SELECT)

CHARGE  
CONTROLLER



1KW

OFF GRID INVERTER

230V 50Hz

INVERTER



## CATEGORY 2 - OPTION 2 - SEMI-FLEXIBLE MODULE



**320W**  
peak power

SOLAR

SEMI-FLEXIBLE

MINIMUM SOLAR CELL EFFICIENCY: 27.5%

PRODUCT WARRANTY:

**2**  
Year

MANUFACTURER

**10**  
Year

LINEAR POWER



**3.24kWh**  
power capacity

BATTERY

ABSORBENT GLASS MAT (AGM)

12V 135Ah

MAINTENANCE FREE

MARINE GRADE

**3**  
Year

MANUFACTURER



MAX PV Voc: 20V-100V

CHARGING CURRENT: 10-40A

BATTERY VOLTAGE: 12/24/48V (AUTO SELECT)

CHARGE  
CONTROLLER



1KW

OFF GRID INVERTER

230V 50Hz

INVERTER



## CATEGORY 3 - OPTION 1 - SEMI-FLEXIBLE MODULE



**160W**  
peak power

SOLAR

SEMI-FLEXIBLE

MINIMUM SOLAR CELL EFFICIENCY: 27.5%

PRODUCT WARRANTY:

**2**  
Year

MANUFACTURER

**10**  
Year

LINEAR POWER



**3.24kWh**  
power capacity

BATTERY

ABSORBENT GLASS MAT (AGM)

12V 135Ah

MAINTENANCE FREE

MARINE GRADE

**3**  
Year

MANUFACTURER



MAX PV Voc: 20V-100V

CHARGING CURRENT: 10-40A

BATTERY VOLTAGE: 12/24/48V (AUTO SELECT)

CHARGE  
CONTROLLER



1KW

OFF GRID INVERTER

230V 50Hz

INVERTER





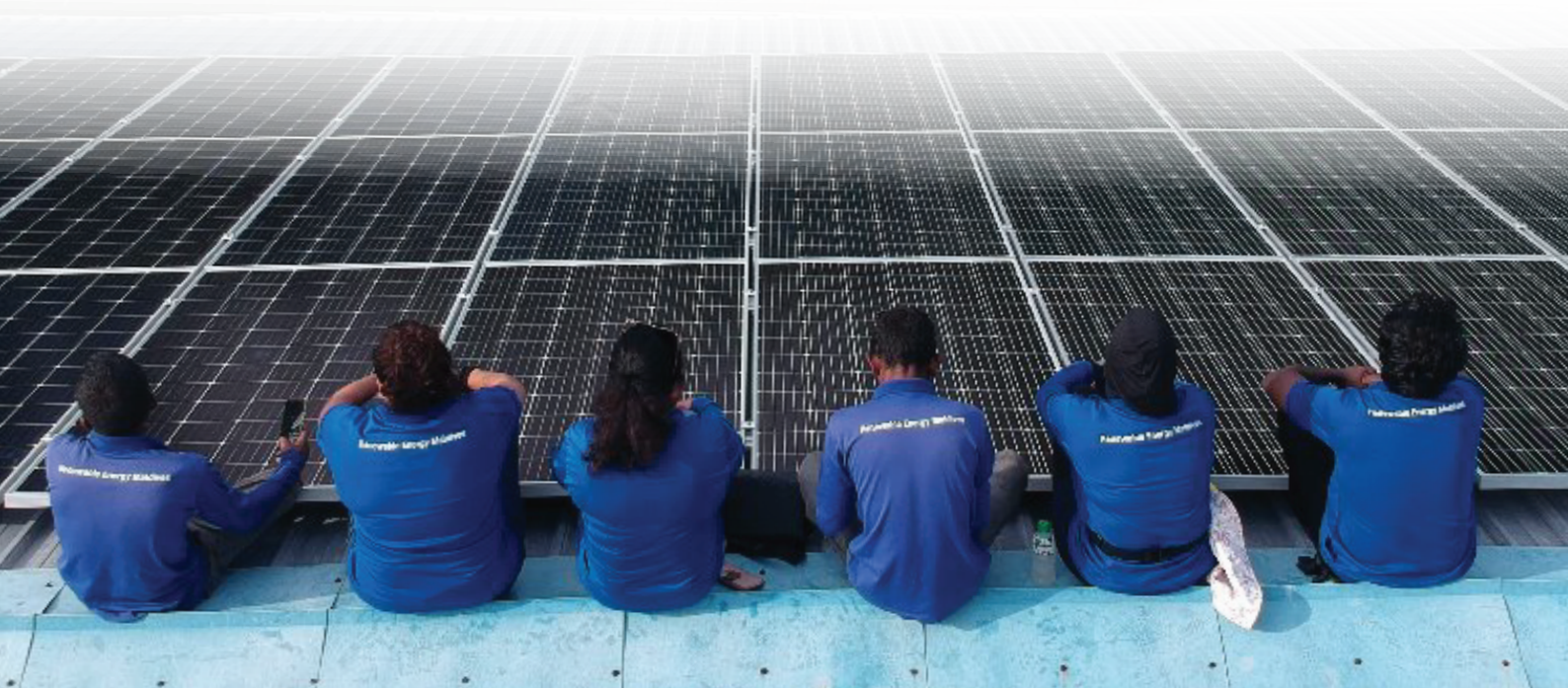
## OUR EXPERIENCE

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Renewable Energy Maldives Pvt. Ltd (REM) was formed in 2007 with the vision of reducing Maldives over reliance on fossil fuel for its energy needs.

REM is the leading private sector solar energy company based in the Maldives having installed more than 4.2 MW of solar PV systems in 37 islands, across 11 atolls in the Maldives. REM has a 652 kWp solar Power Purchase Agreement (PPA) with STELCO with installations in 6 islands of Kaafu Atoll, since 2012. REM sells solar power through PPAs with a private school in Male' and three guest houses at K. Maafushi. REM has installed solar PV systems in schools, hospitals, guest houses, island council roofs, private residences, and government offices. REM has experience in setting electricity prices for solar power based on the PPAs. In addition, REM undertakes energy audits and energy efficiency projects.

Other expertise within REM includes mechanical electrical and plumbing work in resorts and over 25 years of diesel power generation and distribution experience.





## WARRANTY AND SUPPORT

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Our solar power kit for boats comes with a one-year warranty that covers any defects in materials or workmanship. Our customer support team is also available to assist you with any questions or concerns you may have about the product.



SERVICE

## REACH US AT

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