



Foldable solar panel

FRb-6 Plus / FRb-11 Plus

With a double USB output

ENERGY IN FREEDOM



More energy each day

Thanks to the use of the last generation IBC monocrystalline solar cells, which amplify the absorption spectrum.



Foldable

To take it away wherever you want.



Ultra resistance

Encapsulated with military quality technopolymers and the absence of rigid component such as glass.



Flexibility

One degree of flexibility, which enable robustness in its daily handling.



Light and thin

1/8 weight respect to standard glass panels. Just 1.5 mm thin.



High resistance to marine environment and outdoor



Easy to be integrated

Hook up everywhere such as a backpack using eyelets.



Lowlight performance

Its revolutionary technology enable to receive lots more energy in the infrared and ultraviolet band.



A double USB output to connect 2 devices at the same time.



eneagrupo has developed a revolutionary technology thanks to IBC cells, which enable better characteristics than traditional solar cells:

To receive energy in an enlarged light spectrum, which acts in favor of lowlight conditions.

A better efficiency facing high temperatures.

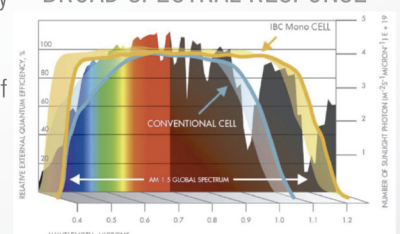
No degradation induced by the first exposure of the solar cells to the sun, which avoid the initial 3% efficiency loss at the first use.

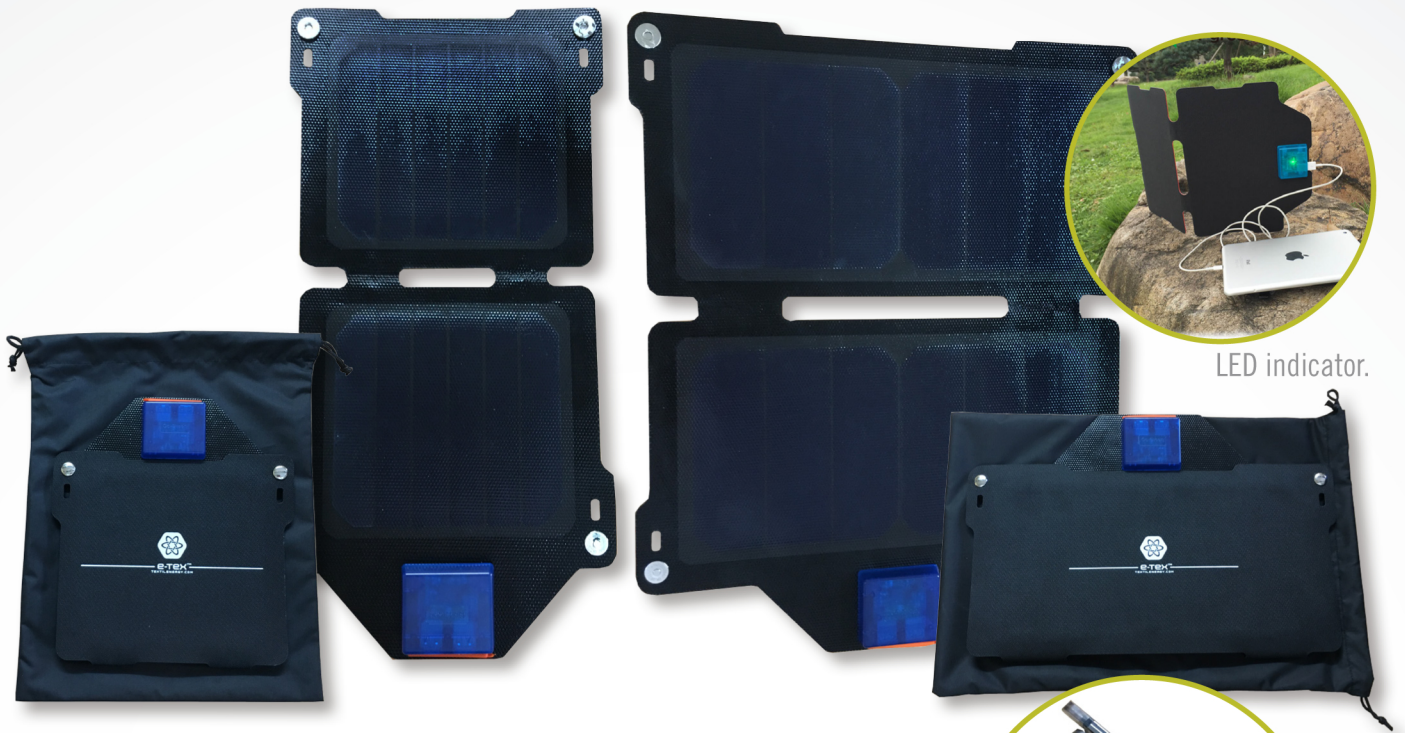
A longer life time because the cells lower degradation year after year.

These products are made with technopolymers, which give them a high technology robustness and a weight of about 1/8 compared to traditional glass solar panel.

eneagrupo solar panels have one of the best efficiencies of the market reaching 24% in a very compact size.

BROAD SPECTRAL RESPONSE





LED indicator.



Optional: a 1-meter USB cable with double output: micro USB/ lightning.

TECHNICAL SPECIFICATIONS	Model FRb-6	Model FRb-11
P _{MAX}	6.4W	11.4W
UNFOLDED SIZE	396X197X2 mm	396x325x2 mm
SOLAR PANEL OUTPUT	6.72V / 0.95A	6.72V / 1.70A
FOLDED SIZE	197X223X15 mm	325x215x10 mm
DOUBLE USB OUTPUT	5.2V / 1.17A	5.20V / 2.20A
WEIGHT	130 g	250 g
OUTPUT	Double USB port with intelligent load control system	
EFFICIENCY	24.3%	
COLORS	Black/Red/Olive/Khaki/Camouflage	

High quality textil cover ans the same color as the own solar module.



TEMPERATURE COEFFICIENTS

VCA (V)	-0,330%/°C
POT (WP)	-0,38%/°C
ICC (A)	+0,036%/°C
NOCT	45°C

LIMIT VALUES

SYSTEM VOLTAGE	600 V DC
PROTECTIVE DIODE	15 A
TEMPERATURE RANGE	-40° TO +90° C

Fixing options



Tenax buttons



Stainless steel eyelets



Don't run out of Power