

ApolloFLEX Mono

ApolloFLEX Mono Solar modules are specially designed for use in all environments, including saltwater environments. The modules are maintenance free, long living and weatherproof. The most noteworthy feature of the ApolloFLEX Mono modules are the Sunpower Back Contact solar cells. These cells are the most efficient solar cells available combining a high charging voltage at high temperatures with an efficient charging proficiency. The use of multiple light spectrums and possessing a low temperature coefficient makes the solar cells in the ApolloFLEX Mono perfect for all types of weather all year round, even in extreme heat.

The ApolloFLEX Mono Solar Module is also bendable making it a solar panel which can be installed in places normal solar modules cannot such as a curved roof or a rounded boat deck.

Features

Flexible Module

Ideal for mounting on rounded roofs and curved surfaces.
Especially designed and manufactured in Germany for motorboat and sailboat decks, motorhomes, caravans and conversion vans.
Can be glued or screwed to the surface

Back Contact Solar Cells

SunPower monocrystalline solar cells with 22.3% efficiency.
Extreme heat resistance; maintains high energy output even in extreme heat.
Back Contact cells make for higher efficiency and flexibility.

Durable Construction

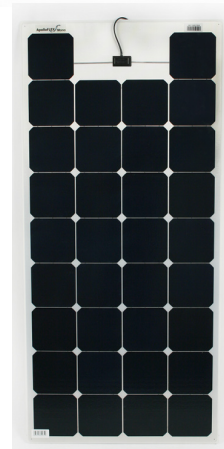
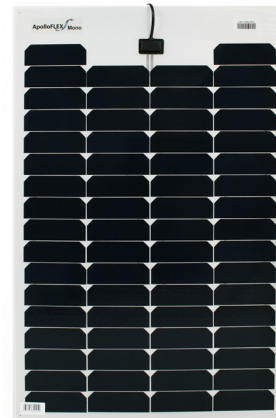
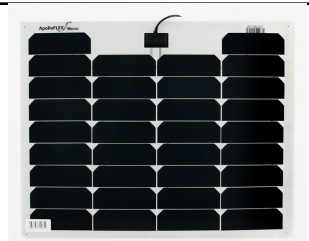
Fluoropolymer encapsulation: extremely durable, all weather proof, even walkable.
Textured to enable a slip resistant surface, walkable once glued down
Self-cleaning surface.
Fiberglass backplate enables durability as well as flexibility.
Saltwater and UV-Resistant.
Potted junction box, saltwater-proof

More Energy

Extremely lightweight with a high power-to-weight ratio.
High efficiency solar cells make for a powerful power source in a small footprint.

High Quality Product

All ApolloFLEX Mono solar panels are made in Germany.



Subject to modifications and errors. Valid from: 22.05.2013

Technical Specifications	ApolloFLEX Mono 35	ApolloFLEX Mono 70	ApolloFLEX Mono 107	Value
Pmax	35,7	70	107	Watt
Imax	1,85	3,7	5,9	Ampere
Vmax	19,04	18,48	19,04	Volt
Isc	1,97	3,94	6,27	Ampere
Uoc	23,32	22,64	23,32	Volt
Number of cells	34	66	34	
Dimensions	430 x 540 x 3	785 x 540 x 3	1170 x 540 x 3	mm
Weight	1,5	1,8	3	kilogram
Cable length and diameter	5m / 1,5 mm ²	5m / 1,5 mm ²	5m / 1,5 mm ²	
Laminate	ETFE	ETFE	ETFE	
Backplate	Aerospace-grade Fiberglass	Aerospace-grade Fiberglass	Aerospace-grade Fiberglass	