

# APOLLO ToGo USER MANUAL



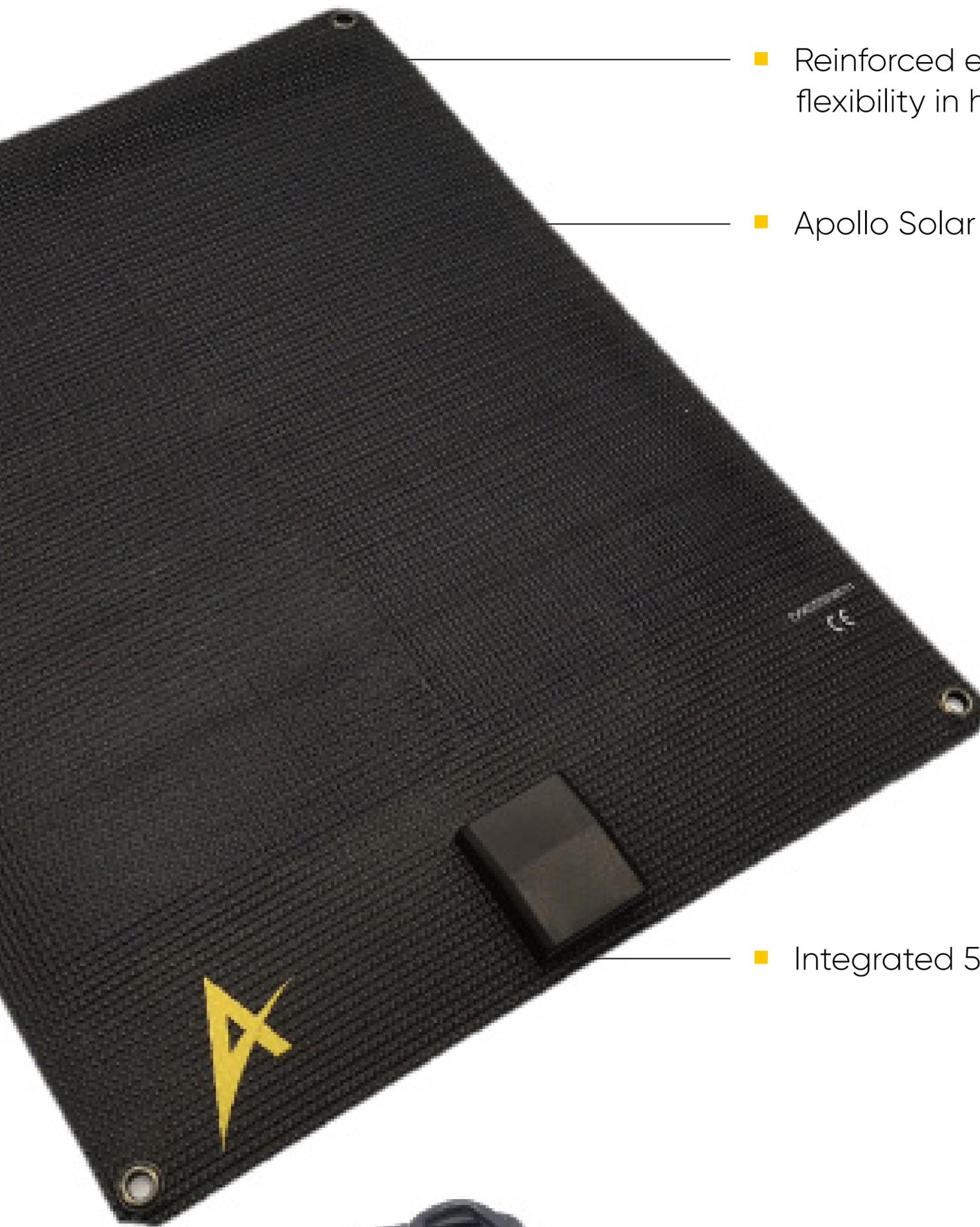
# APOLLO ToGo

## USER MANUAL

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## IN THE BOX



- Reinforced eyelets for maximum flexibility in hanging the Apollo ToGo

- Apollo Solar Film

- Integrated 5V USB regulator

- Two carabiner snap hooks for hanging your Apollo ToGo anywhere

# GET STARTED

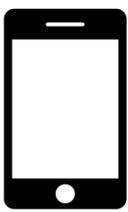
**Our Plug & Play film is easy to use, there is just few things you better know before getting started:**

1. Connect only 5V USB appliances
2. Make sure the  is facing the sun
3. Make sure you place the Apollo ToGo under the sky and not indoor or in shaded places
4. Remember, unlike a wall outlet, the Apollo ToGo is affected from environmental conditions and therefore the charging will change according to factors such as the time of the day, the angle of the film, sky clarity etc.

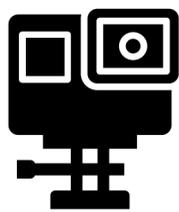
## WHAT DOES IT POWER?

Apollo ToGo charges any 5V USB appliance like your Smartphone, GoPro, and more

### Charging Time:



**Smartphone**  
**2 Hrs\***



**Go Pro**  
**40 min\***



**1000Lum**  
**Flashlight**  
**1.5 Hrs\***

\* Typical values in full sun

## MAINTENANCE

Periodically, check the Apollo ToGo surface for debris or dirt. To clean the Apollo ToGo surfaces, verify there is no visible damage on the product and then clean with wet towel or soft brush.

- Clean with tap water only.
- When cleaning, avoid using excessive down force.
- Check all wiring to confirm no loose connections or insulation wear.

## TROUBLESHOOTING

PROBLEM	CAUSE	WHAT TO DO
<b>The Apollo ToGo doesn't generate any electricity</b>	Wires were not connected correctly	Make sure the wires are connected properly
	The Apollo ToGo is shaded/ not exposed to light	Expose the front side of the Apollo ToGo to sunlight

# FILM TECHNICAL DATA\*

## APOLLO ToGo

Length (cm)	36
Width (cm)	28
Thickness (cm)	0.11
Weight (kg)	0.228 (with regulator)
$P_{mpp}$ (W)	9.5
$V_{mpp}$ (V)	1.4
$I_{mpp}$ (A)	6.8
$V_{oc}$ (V)	7.5
$I_{sc}$ (A)	1.8
Certification	CE

\* All electrical specifications are within a  $\pm 10\%$  tolerance.

**NOTE:** Under normal conditions, a photovoltaic module is likely to experience conditions that produce higher current and/or voltage than reported at standard test conditions. Accordingly, the values of  $I_{sc}$  and  $V_{oc}$  marked on this PV module should be multiplied by a factor of 1,25 when determining component voltage ratings, conductor current ratings, and size of controls (e.g. inverter) connected to the PV output.



# WARNINGS

All instructions should be read and understood before attempting to install, wire, operate or maintain the product.

The product generates DC electrical energy when exposed to sunlight or other light sources. Active parts of the product such as terminals, can result in burns and sparks,

Artificially concentrated sunlight should not be directed on the product.

Front and back protective materials are utilized on the product. Damaged solar film protective material is an electrical safety hazard (may cause electric shock and fire). These films cannot be repaired and should be replaced immediately.

Do not touch live terminals with bare hands. Use insulated tools for electrical connections.

Do not clean the cover material with chemicals.

Do not disassemble the product.

Due to the risk of electrical shock, do not perform any work if the terminals of the product are wet.

Do not chain Apollo ToGo with other solar products.



**Warning!**

Electrical hazard

## HANDLING AND STORAGE

The following guidelines are to be followed in order to protect the product and prevent body injury and damage to the product. Failure to comply with these instructions will invalidate the limited warranty.

- Do not fold or roll the Apollo ToGo to a diameter less than 8 cm (3").
- Do not stand on the Apollo ToGo or place any part of it under heavy items.
- Do not open, cut or stretch the Apollo ToGo.
- The Apollo ToGo is not IP rated, do not use in wet conditions.
- Handle with caution in a safe manner.
- Do not place the Apollo ToGo facing down.
- Assure the Apollo ToGo is stored adequately at controlled conditions: not exposed to excessive moisture, cold or heat.
- If a designated transportation device was supplied with the Apollo ToGo, use the transportation device to transport and store the Apollo ToGo.

