



Sonnenglas®

TOGETHER WE WANT TO LEAVE THE WORLD  
A LITTLE BRIGHTER THAN WE FOUND IT.

SONNENGLAS® Models **Generation 6**



**ENLIGHTENING.  
SUSTAINABLE.  
FAIR.**

SONNENGLAS® products transform solar energy into warm, bright light like no other. This is made possible by the most modern and green high-tech inside: A rechargeable battery is charged by sunlight via highly efficient solar cells in the lid, and LEDs provide many hours of sustainable, clean light.

SONNENGLAS® was developed as a fully-fledged off-the-grid light source for people who live without a reliable power supply. At the same time, it replaces the widely used and environmentally harmful kerosene lamps and candles in Africa, which repeatedly cause terrible fires and are also harmful to health and the environment.

SONNENGLAS® Generation 6 has been redesigned from the ground up, now providing a flexible and modular pocket-sized solar module that can transform itself into a lantern.

Our goal was to design a solar powered light that is functional, as sustainable as possible and that creates light that can be just as atmospheric as candle light.

SONNENGLAS® Generation 6 wants to give its users the opportunity to create clean light in a particularly beautiful way, illuminating their own world and live every day in a more environmentally conscious way.

SONNENGLAS® makes renewable and sustainable technology not only accessible but also engaging and playful.

# SONNENGLAS GENERATION 6 PRODUCT FAMILY

## CLASSIC Sizes

## MINI Sizes



**SONNENGLAS® SOMO Classic**  
Standalone Solar LED Module  
85 x 18mm | 76 g



**SONNENGLAS® Classic 1000ml**  
SOMO Classic + Glass Lantern Set  
115 x 115 x 175mm | 640 g



**SONNENGLAS® Mini 250ml**  
SOMO Mini + Glass Lantern Set  
85 x 85 x 110mm | 220 g



**SONNENGLAS® SOMO Mini**  
Standalone Solar LED Module  
60 x 18mm | 38 g

# SOMO SOLAR MODULE GEN6

SONNENGLAS® Generation 6 SOMO solar modules are **pocket-sized portable solar lights**. All they need is sunshine to charge and operate.

Using state of the art solar and LED technology, they provide up to **100 Lumens** of output and run between **5 to 100 hours** on a single full solar charge.

The unique and slim form factor allows the user to carry it and use it as a torch. It also adapts to our glass jar or other objects to become a lantern.



SOLAR MODULE Classic (Gen6)  
charging on a window sill



# SOMO SOLAR MODULE GENERATION 6

Our new pocket sized solar powered LED module. The heart of SONNENGLAS® Generation 6

**Control Button**  
ON/OFF | Dimming | Flashing

**Glass Lantern Flip Switch Contact +  
Illuminated Battery Level Indicator**

Sealing ring  
Transparent housing  
Impact resistant polycarbonate

**Main LEDs**  
Dimmable  
Up to 100 Lumens  
5 - 100 hrs of runtime  
3000 Kelvin

**Integrated  
wire hanger**

**USB-C Charging Port**

**Highest Efficiency  
Aesthetic Solar Panel**  
(1 hour of sunlight = 1 hour of light)

BOTTOM VIEW

TOP VIEW



# SERIOUSLY SOLAR

SONNENGLAS® solar modules of Generation 6 have been developed and designed from scratch.

Making use of the latest advances in solar, LED and battery technology they achieve exceptional efficiency and light output within a small form factor.

The electronics are housed in a transparent polycarbonate housing which makes the technology intentionally fully visible.



**5 - 100 hours of lighting time on a single charge**



**Stepless dimming with up 100 Lumens of high quality flicker-free light (3000 K)**



**1 hour of sunlight = 1 hour of light**



**Illuminated Battery Status Indicator**



**Outdoor ready with impact-resistant 2.2mm Polycarbonate housing & IP67 Rating**



**Integrated Wire Hanger**



**USB-C port as alternative charging port for Northern Europe**



SONNENGLAS® Gen6 solar module in use in a township in Cape Town during a power outage in June 2022.

© JODI WINDVOGEL

# GOOD DESIGN IS SOCIAL

## SOCIAL ENTREPRENEURSHIP – MADE IN AFRICA

SONNENGLAS® Generation 6 is not only designed to be used in Africa, it is also manufactured by the very same people and within the communities for whom we have primarily conceived it for.

From the beginning of our design process we have considered the needs and requirements for manufacturability in Africa with its unique challenges. We manufacture our products exclusively in our own factory in Johannesburg, South Africa which is place right within a disadvantaged community. Our factory is training previously unemployed people and has so far created 65 full-time FAIR TRADE certified jobs paying more than living wages.

## A SUSTAINABLE BUSINESS MODEL

The sales of our products in Europe finance our operations. It allows us to offer our products in Africa at lower margins and help to make them more affordable to communities in need.

## FAIR TRADE TO ELECTRONICS

With Generation 6 SONNENGLAS® products we go a step further in our efforts to apply FAIR TRADE principles to the entire supply chain and extend them to components from the electronics industry.

SONNENGLAS Generation 6 is free of *conflict minerals* that are often prevalent in consumer electronics. Our solder tin is 100% sourced from guaranteed sustainable supply chains.



## APPROACHING CIRCULARITY: **REPURPOSE**

To ensure that our products do not end up as electronic waste after a long life, we as a manufacturer take care of our products even after the warranty expires and offer a **SOLAR MODULE Repurpose**. Each SONNENGLAS® SOLAR MODULE has a value and comes with an equipment deposit.

If the life of the electronics in the SONNENGLAS® is nearing its end or is overtaken by technological advances, the old solar module can be returned to us or returned to a participating retailer.

We reward the end customer for the return with a discount. The returned modules are collected and brought back to life in non-profit projects in Africa, donated or professionally recycled if recycling is not possible.



### **"TREE OF LIGHT" PROJECT (2022)**

The upcycling tree consists of hundreds of old solar panels and illuminates a community in Johannesburg.