

# Fosera Go 100

Go 100  
Fosera Gmbh & Co.KGaA

Verify online:  
<https://data.verasol.org/products/sek/fs-go100>  
Valid until: September 30, 2024

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8



Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits

1

Light point(s)



Plug-and-play



## WARRANTY INFORMATION

A 3-year warranty covering manufacturing defects in the system.

## PERFORMANCE DETAILS

Setting	Description	Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	Total light output (lumens)
Boost	3 LEDs on, 0.73 W power	6.4 hours	100 lumens

Available daily electrical energy (Wh/day)

4.7

### Performance measure

Brightness setting: Boost

Lighting full battery run time (hours)

6.4

Total lighting service (lumen-hours/solar-day)

640

(Includes the both main lighting unit and any lights with internal batteries included with the product)

## LIGHTING DETAILS

Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Lumen efficacy* (lm/W)	CRI**	CCT***	Distribution type	Lumen maintenance****
Integrated lamp	1	3	Boost	100	140	83	5200	Wide	99%
			Normal	44	130	84	5200		

\* Lumen efficacy is the power consumption at a light point during the light output test.

\*\* Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

\*\*\* Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)

\*\*\*\* Percent of the original light output that remains after 2,000 hours of run time

## DURABILITY

Overall durability and workmanship

Pass

Durability tests passed

Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests

Level of water protection

Main Unit

Has protection from occasional rain; met IPX1

PV module

Has protection from permanent outdoor exposure.

## SOLAR DETAILS

PV module type

Polycrystalline silicon

PV maximum power

1.9 watts

## MAIN UNIT BATTERY DETAILS

Battery replaceability

Easily replaceable with common tools; however, the warranty is void if product is opened.

Battery chemistry

Lithium iron phosphate

Battery capacity

1.2 Ah

Battery nominal voltage

3.2 V

Battery status/ other indicator lights

Three LED indicators for battery level

## PRODUCT DETAILS

Manufacturer name

Fosera Gmbh & Co.KGaA

Product name

Fosera Go 100

Product model / ID number

Go 100

Contact information

info@fosera.com

Website

www.fosera.com

Dimensions (entire product in package)

20 x 16 x 6.6 cm

Mass

780 g

## SSS INFORMATION

Specs sheet expiration date

September 30, 2024

Revision

2022.09