

Solar-powered, customizable, mobile glass lantern for indoor and outdoor illumination. Can be used as a practical light source in offgrid areas, as decorative object and candle alternative, as table light, night light, camping light or garden lantern. Also as a light source in emergency situations with power loss occurring. Produced in Johannesburg, South Africa under fair trade conditions.

Use	Magnetic ON/OFF switch in form of a metal wire flip
Power supply, battery, USB port	Integrated rechargeable lithium-polymer battery. Charging over the integrated solar panel. Alternative charging option over the micro-USB port when connected via cable to a computer or power adapter. Battery cannot be overcharged
Watertightness	Protected according to protection class IP67 (rain and short immersion) if the lid is tightly screwed on
Storage	Expose to sunlight or charge over the micro-USB port at least every 3 months
Main materials	Recycled glass, stainless steel, steel wire, Neodym magnet, plastics, silicone, electrical assembly parts
Environmental conditions	Operating temperature: 0 °C to 45 °C, storage temperature: -10 °C to 35 °C, operating height: tested up to 4300 m above sea level
Warranty and service	2 years manufacturer warranty if registered for the warranty extension. Spare parts and exchange program available. https://sonnenglas.net/warranty

	Classic 1000 ml (Version 2017)	Classic 1000 ml (Version 2019)	Mini 250 ml (Version 2018)	Mini 250 ml (Version 2019)
RRP	29,90 €	34,90 €	27,90 €	29,90 €
Size, weight, fill volume	11,5 x 11,5 x 17,5 cm, ca. 640 g, 1000 ml		8,5 x 8,5 x 11 cm, ca. 220 g, 250 ml	
Packaging	12,5 x 12,5 x 18 cm, ca. 760 g		8,7 x 8,7 x 11,5 cm, ca. 280 g	
Scope of supply	Glass container with wire handle and magnetic flip, screw cap. Original packaging, manual			
	Solar module, rubber sealing	SONNENGLAS® high-efficiency solar module, silicone micro-USB cover, warranty card	Solar module, silicone micro-USB cover, warranty card	SONNENGLAS® high-efficiency solar module, silicone micro-USB cover, warranty card



Technical Data Sheet

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	Classic 1000 ml (Version 2017)	Mini 250 ml (Version 2018)	Mini 250 ml Classic 1000 ml (Versions 2019)
Sunrise Detection ¹		✓	✓
Sunset Detection ²			✓
Low Power Mode ³		✓	✓
Adaptive Brightness ⁴			✓
Run time on a full charge	Up to 12 hours	At least 20 hours ³ (+ 66 %)	At least 24 hours ³ (+ 100 %)
Brightness	19 Lumen	10 - 19 Lumen	12 - 25 Lumen (250 ml) 15 - 30 Lumen (1000 ml)
Colour temperature	4000K (neutral-white)	4000 Kelvin (neutral-white)	3500 Kelvin (warm-white)
SONNENGLAS® designed High-Efficiency solar module		✓	✓
Time for solar charging (summer day at 100.000 Lux) ⁵	1 hour light per 1 hour charge	1 hour light per 1 hour charge	2 hours light per 1 hour charge
USB battery level indicator ⁶		✓	✓
USB Fast-Charging ⁷			✓
USB charging time	6 hours	4 hours	3 hours (250 ml) 4 hours (1000 ml)
Eco-design solar module		✓	✓
Eco-optimized packaging		✓	✓

¹ When turned on, SONNENGLAS® switches itself automatically off if it has been exposed to a brightness of 3000 Lux (e.g. after sunrise) for at least 10 minutes. This saves its energy.

² When turned on, SONNENGLAS® automatically switches itself on if it scans a dark environment under 2000 Lux (e.g. after sunset) for at least 5 seconds.

³ When the battery is low or the run time has already reached 8 hours in a row, the brightness is reduced to 50%. This saves energy and extends the remaining run time. Shut-off after 20 hours of non-stop use to prevent unattended electricity consumption.

⁴ For battery life optimization, SONNENGLAS® automatically adjusts its overall brightness in accordance with the run time and battery level. To optimize the use of SONNENGLAS® as a practical light source, an increased brightness is activated during the first minutes after having switched it on.

⁵ Classic 1000 ml (Version 2017) and Mini 250 ml (Version 2018)

1 hour light per 1 hour charge (summer day at Ø 100.000 lux)

1 hour light per 2 hours charge (daylight at Ø 50.000 lux)

1 hour light per 5 hours charge (cloudy at Ø 20.000 lux)

Mini 250 ml and Classic 1000 ml (Versions 2019)

2 hours light per 1 hour charge (summer day at Ø 100.000 lux)

1 hour light per 1 hour charge (daylight at Ø 60.000 lux)

1 hour light per 3 hours charge (cloudy at Ø 30.000 lux)

1 hour light per 6 hours charge (cloudy at Ø 15.000 lux)

⁶ Green LED as a battery level indicator:

1x blinking = 0 - 25% charged

2x blinking = 25 - 50% charged

3x blinking = 50-75% charged

4x blinking = 75 - 99% charged

Continuous lighting = battery 100% charged

⁷ Fast-Charging: 90 min. charge = 10 h of light