

# Little Sun Charge Solar Charger 4400 mAh

Gen III  
Brand name: Little Sun GmbH

Verify online:  
<https://data.verasol.org/products/sek/lis-charge4400>  
Valid until: June 30, 2026

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



Mobile charging

1

Light point(s)



Plug-and-play



## WARRANTY INFORMATION

A 2-year warranty covering manufacturing defects in the system.

## PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance <sup>a</sup>	Description	Run time after a typical day of solar charging (assuming 5kWh/m <sup>2</sup> /day)	
				Used alone <sup>b</sup>	Used in combination <sup>c</sup>
yes	included	Main lighting unit	1 integrated light point on Boost totaling 190 lumens and 1.9 W power	5.4 hours	2.3 hours
no	not included	Smartphone	Smart phone (5.7 Wh battery)	1 charge(s)	0.57 charge(s)
no	not included	Camera	Camera (2.3 W power while charging)	--	--
no	not included	GoPro	GoPro (2.3 W power while charging)	--	--

Available daily electrical energy<sup>c</sup> (Wh/day)

8

Performance measure	Brightness setting: Boost
Lighting full battery run time <sup>d</sup> for main unit (hours)	7.4
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	1030

<sup>a</sup> Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

<sup>b</sup> Without any other loads used during the run time

<sup>c</sup> Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.

<sup>d</sup> Lighting full battery run time estimates do not account for mobile phone charging or other auxiliary loads; the run time is defined as the time until the output is 70% of the initial, stabilized output.

## LIGHTING DETAILS


Lamp name	Number of lamps	Number of settings	Setting	Light output (lm)	Power consumption (W)	Lumen efficacy <sup>e</sup> (lm/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type
Light in Main Unit	1	4	Boost	190	1.9	100	81	6400	Wide
			Bright light	60	0.72	84		6300	--
			Medium light	25	0.32	78			--

<sup>e</sup> Lumen efficacy is the power consumption at a light point during the light output test.

<sup>f</sup> Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

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

<sup>h</sup> Percent of the original light output that remains after 2,000 hours of run time

PORTS		
1	USB 2.0 type A	 Mobile phones and other advertised appliances can be charged. Adapters are included.
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Drop test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit with Integrated PV Module	Has protection from frequent rain; met IPX4
SOLAR DETAILS		
PV module type		Monocrystalline silicon
PV maximum power		2.7 watts
PV rated power		3.1 watts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Not easily replaceable with common tools.
Battery chemistry		Lithium iron phosphate
Battery package type		Other rectangular
Battery capacity		4.4 Ah
Battery nominal voltage		3.2 V
Battery status/ other indicator lights		Four indicators on the front of the main unit show the battery status
PRODUCT DETAILS		
Company name		Little Sun GmbH
Brand Name		Little Sun GmbH
Product name		Little Sun Charge Solar Charger 4400 mAh
Product model / ID number		Gen III
Contact information		business@littlesun.com
Website		www.littlesun.com/
Dimensions (entire product in package)		15 x 16 x 4.5 cm
Mass		450 g
SSS INFORMATION		
Specs sheet expiration date		June 30, 2026
Revision		2024.06