

Solego 200 DC Solar Power System

Brand name: SolarWorX

Verify online:
<https://data.verasol.org/products/sek/swx-s200>
Valid until: January 31, 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 B kits



Mobile charging

PAYG

Pay-As-You-Go option available

5

Light point(s)



Plug-and-play



WARRANTY INFORMATION

2-year warranty covering manufacturing defects in the system for the solar controller, cables and lights, and a 5 year warranty for the PV module. A 1-year warranty is also provided for any other appliances.

PERFORMANCE DETAILS

				Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	5 light points on "On" totaling 1500 lumens and 14.8 W power	28 hours	14 hours
yes	included	Television	32" diagonal television (11 W power consumption while in use)	43 hours	7.5 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	72 full charge(s)	4.1 full charge(s)
no	not included	Fan	Standing fan (16" or smaller diameter, 10 W power)	45 hours	19 hours

Available daily electrical energy ^c (Wh/day)	470
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Performance measure	Brightness setting: 5 lights on "On"
Lighting full battery run time ^d for main unit (hours)	28
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	42000

^a Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.
^b Without any other loads used during the run time
^c Based on an example use profile with all of the appliances listed in the "Used in combination" column used simultaneously.
^d 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 ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
4 W lamp	2	1	On	450	4.1	110	87	7250	Wide	100%
2 W lamp	2	1	On	240	2.8	130	87	7230	Wide	100%
1 W lamp	1	1	On	120	0.95	130	88	7320	Wide	100%

^e Lumen efficacy is the power consumption at a light point during the light output test.
^f Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.
^g Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm (2700-3000 K), cool (3000-5000 K), or daylight (>5000 K)
^h Percent of the original light output that remains after 2,000 hours of run time

PORTS		
2	USB 2.0 type A	 Mobile phones can be charged. Adapters are included.
5	Barrel jack	 12 V ports available to power appliances and light points.
1	High Power XT port	High power port available to power high power appliances and connect additional Solego Power Packs together
1	USB type C	5 V port available to charge and power appliances
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	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure
	32" TV	Water ingress protection not tested, meant for indoor use only.
	4 W lamp	Has protection from frequent rain; met IPX3
	2 W lamp	Has protection from frequent rain; met IPX3
	1 W lamp	Has protection from frequent rain; met IPX3
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		92 watts
PV rated power		100 watts
PV open-circuit voltage (V _{OC})		22.5 volts
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 package type		26700
Battery capacity		31 Ah
Battery nominal voltage		12.8 V
Battery status/ other indicator lights		Four indicators for battery level
PRODUCT DETAILS		
Company name		SolarWorX GmbH
Brand Name		SolarWorX
Product name		Solego 200 DC Solar Power System
Product model / ID number		--
Contact information		info@solarworx.io
Website		www.solarworx.io
Dimensions (entire product in package)		Multiple packages. Contact manufacturer for more information.
Mass		n/a
SSS INFORMATION		
Specs sheet expiration date		January 31, 2026
Revision		2025.06