

X1000 Pro Solar Home System

X1000 Pro
Brand name: d.light

Verify online:
<https://data.verasol.org/products/sek/dl-x1000pro>
Valid until: March 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

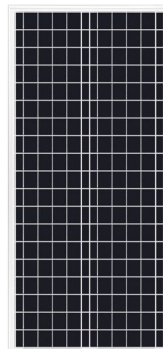
Pay-As-You-Go option available

6

Light point(s)



Plug-and-play



WARRANTY INFORMATION

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

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 high, totaling 1290 lm and 9.9 W.	14 hours	4.1 hours
no	not included	Smart phone	Smart Phone (5.7 Wh battery)	16 full charge(s)	1 full charge(s)
yes	not included	Radio	Portable (Li-ion battery: 1 Ah, 3.7 V) with a power consumption of 0.3 W while in-use.	210 hours	3.1 hours
yes	not included	Torch	88 lumens torch (Li-ion battery: 1.8 Ah, 3.7 V).	61 hours	4.1 hours
yes	not included	Fan	16" stand fan (12 V, 8.4 W power on high)	17 hours	5.1 hours
no	not included	Television	Larger than 16" (diagonal) (18 W power consumption while in use)	7.8 hours	2.1 hours

Available daily electrical energy ^e (Wh/day)	140
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Performance measure	Brightness setting: high
Lighting full battery run time ^d for main unit (hours)	14
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	12900

^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 ^a (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
Hanging Lamp	3	3	high	230	1.7	110	86	5800	Wide	100%
Tube Light	1	3	high	450	3.5	130	83	6900	Wide	101%
Security Light	1	2	high	230	1.7	110	86	5800	Wide	100%

^a 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

SPECIAL FEATURES		
Daisy Chain	★	The lights can be connected in a daisy chain
PORTS		
3	USB 2.0 type A	 Mobile phones and radios can be charged.
3	Barrel jack (Lamp Port)	 12 V ports available to power light points.
3	Barrel jack	 12 V ports available to power appliances.
DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, Physical ingress protection, PV durability tests
Level of water protection	Power Pack	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure
	Tube light	Water ingress protection not tested, meant for indoor use only.
	Hanging Lamp	Water ingress protection not tested, meant for indoor use only.
	Security light bulb	Has protection from permanent outdoor exposure; met IPX5
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		40 watts
PV rated power		40 watts
PV nominal voltage		18 volts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Not easily replaceable with common tools.
Battery chemistry		Lithium iron phosphate
Specific Li-ion battery chemistry		lithium iron phosphate
Battery package type		32700
Battery capacity		10 Ah
Battery nominal voltage		12.8 V
Battery status/ other indicator lights		An LED screen shows the battery charge indicator.
PRODUCT DETAILS		
Company name		D.light Design Ltd
Brand Name		d.light
Product name		X1000 Pro Solar Home System
Product model / ID number		X1000 Pro
Contact information		testing@dlight.com
Website		www.dlight.com
Dimensions (entire product in package)		Multiple packages. Contact manufacturer for more information.
Mass		n/a
SSS INFORMATION		
Specs sheet expiration date		March 31, 2026
Revision		2024.08