

# X1000 Pro Solar Home System

X1000 Pro

Brand name: d.light

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

Verify online:

<https://data.verasol.org/products/sek/dl-x1000pro>

Valid until: March 31, 2026



Meets the Requirements in IEC TS 62257-9-8:2020 for Size B kits



Mobile charging



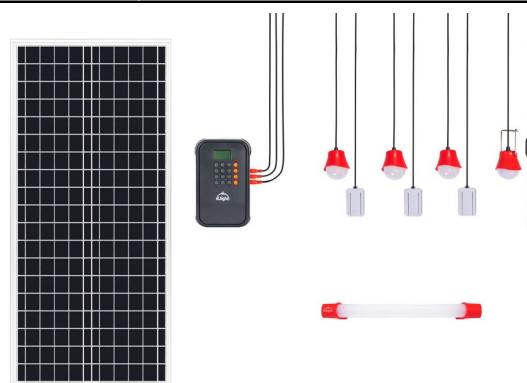
Pay-As-You-Go option available

6



Light point(s)

Plug-and-play



## WARRANTY INFORMATION

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

## PERFORMANCE DETAILS

| VeraSol Certified? | Included in Kit? | Appliance <sup>a</sup> | Description  | Run time after a typical day of solar charging<br>(assuming 5kWh/m <sup>2</sup> /day) |                                  |
|--------------------|------------------|------------------------|--|---|----------------------------------|
|                    |                  |                        |  | Used alone <sup>b</sup>   | Used in combination <sup>c</sup> |
| 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<sup>c</sup> (Wh/day)

140

| Performance measure   | Brightness setting: high |
|---|--------------------------|
| Lighting full battery run time <sup>d</sup> for main unit (hours)   | 14                       |
| Total lighting service (lumen-hours/solar-day)<br>(includes the both main lighting unit and any lights with internal batteries included with the product) | 12900                    |

<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 | Lumen maintenance <sup>h</sup> |
|----------------|-----------------|--------------------|---------|-------------------|-----------------------|------------------------------------|------------------|------------------|-------------------|--------------------------------|
| 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%                           |

<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

| SPECIAL FEATURES                       |  |   |
|--|--|---|
| Daisy Chain                            |  | The lights can be connected in a daisy chain                                      |
| PORTS                                  |  |   |
| 3                                      | USB 2.0 type A   |  |
| 3                                      | Barrel jack (Lamp Port)  |  |
| 3                                      | Barrel jack  |  |
| 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  |   |