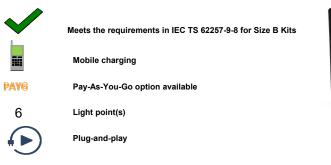
X850 Plus and X1000 Solar Home System X850 Plus and X1000 d.light Design

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-x850plusx1000 Valid until: March 31, 2024





WARRANTY INFORMATION

The product carries a 2-year warranty with the exception of the following for which the warranty is 1 year: TV remote, solar radio, solar torch. The TV (sold separately) includes a 2-year warranty.

PERFORMANCE DE				Run time after a ty char	/pical day of solar ging
		(assuming 5kWh/m²/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, totalling 1380 lm and 12 W.	11 hours	4.5 hours
yes	included	Torch	88 lumens torch (Li-ion battery: 1.8 Ah, 3.7 V)	64 hours	4.5 hours
yes	included	Radio	Portable (Li-ion battery: 1 Ah, 3.7 V), with a power consumption of 0.39 W while in-use.	260 hours	3.3 hours
no	not included	Mobile phone	Smart phone (5.7 Wh battery)	17 full charge(s)	1.1 full charge(s)
yes	not included	Television	32" diagonal (11 W power consumption while in-use)	13 hours	2.2 hours
yes	not included	Fan	16" stand fan (12 V, 8.8 W power on high)	17 hours	5.6 hours

Available daily electrical energy^c (Wh/day) 140

Performance measure	Brightness setting: 4 lamps and 1 tubelight on high; torch on high
Lighting full battery run time ^d for main unit (hours)	10
Lighting full battery run time of the Torch powered by Torch battery (hours)	4
Total lighting service (lumen-hours/solar-day)	14700

(includes the both main lighting unit and any lights with internal batteries included with the product)

^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 (Im)	Lumen efficacy ^e (Im/W)	CRI ^f	CCTª	Distribution type	Lumen maintenance ^h
Hanging lamp	4	3	High	230	110	86	5780	Wide	100%
Tube light (600 lm)	1	3	High	630	110	84	6550	Wide	101%
Torch	1	2	High	88	68	73	6910	Narrow	96%

^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

SPECIAL FEATU	IRES						
тν	*	Quality verified d.light 3	2" TV available for purchase separately.				
PORTS							
3	USB 2.0 type A		Mobile phones, torches, and radios can be charged. Adapters are included.				
7	Barrel jack		Four 19 V ports available to power light points, and three 12 V ports available to power appliances and charge devices.				
DURABILITY							
Overall durability	and workmanship		Pass				
Durability tests passed			Switch test, Drop test (torch and radio), Strain relief test, Physical ingress protection, PV durability tests				
		Main Unit	Water ingress protection not tested, meant for indoor use only.				
level of water pro			Has protection from permanent outdoor exposure				
Level of water protection		Torch	Has protection from occasional rain; met with appropriate warning label				
			Has protection from occasional rain; met with appropriate warning label				
SOLAR DETAILS	3						
PV module type			Polycrystalline silicon				
PV maximum pov			40 watts				
MAIN UNIT BATT							
Battery replaceab			Not easily replaceable with common tools.				
Battery chemistry			Lithium iron phosphate				
Battery package t	уре		32700				
Battery capacity			10 Ah				
Battery nominal v	oltage		12.8 V				
Battery status/ oth	ner indicator lights		LEDs indicate battery state of charge.				
PRODUCT DETA	AILS						
Manufacturer nan	ne		d.light Design				
Product name			X850 Plus and X1000 Solar Home System				
Product model / ID number			X850 Plus and X1000				
Contact information			testing@dlight.com				
Website			www.dlight.com				
Dimensions (entire product in package)			25 x 33 x 13 cm				
Mass			2610 g				
SSS INFORMATIC	N						
Specs sheet expiration date			March 31, 2024				
Revision			2023.06				