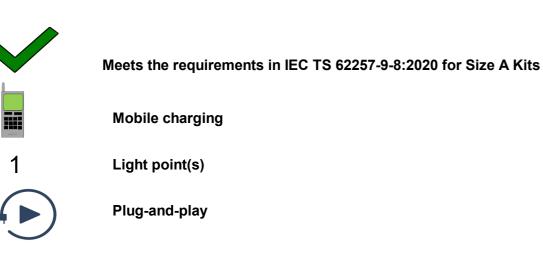
Solar Lantern S610

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-s610 Valid until: September 30, 2023





WARRANTY INFORMATION

2-year warranty covering manufacturing defects in the system.

	-	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	1 light point on high totalling 300 lumens and 2.7 W power	5 hours	1.6 hours
no	not included	Smart phone	Smart phone (5.7 Wh battery)	2.1 full charge(s)	1.6 full charge(s)

Available daily electrical energy^c (Wh/day) 14

Performance measure	Brightness setting: High
Lighting full battery run time ^d for main unit (hours)	6.2
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	1500

^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	CCT ^g	Distribution type	Lumen maintenance ^h
Integrated lamp	1	3	High	300	130	86	5900	Wide	100%

^e Lumen efficacy is the power consumption at a light point during the light output test.

^fColor 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	RES						
Portable	*	Contains a handle for ca	arrying				
PORTS							
1	USB 2.0 type A		Mobile phones can be charged. Adapters are included.				
DURABILITY							
Overall durability and workmanship			Pass				
Durability tests passed			Switch test, Drop test, Strain relief test, Physical ingress protection, PV durability tests				
		Main Unit	Has protection from occasional rain; met with appropriate warning label				
Level of water prot	lection	PV module	Has protection from permanent outdoor exposure				
SOLAR DETAILS							
PV module type			Polycrystalline silicon				
PV maximum power			4.6 watts				
MAIN UNIT BATT	ERY DETAILS						
Battery replaceabi	lity		Not easily replaceable with common tools.				
Battery chemistry			Lithium iron phosphate				
Specific Li-ion batt	tery chemistry		lithium iron phosphate				
Battery package ty	/pe		32700				
Battery capacity			4.5 Ah				
Battery nominal voltage			3.2 V				
Battery status indication			One indicator is for charging status. When charging, the green light is flashing, when fully charged, the green light is stable.				
PRODUCT DETA	ILS						
Manufacturer nam			d.light Design				
Product name			Solar Lantern S610				
Product model / ID number			S610				
Contact information			testing@dlight.com				
Website			www.dlight.com				
Dimensions (entire product in package)			11 x 18.5 x 11 cm				
Mass			475 g				
SSS INFORMATIO	Ν						
Specs sheet expiration date			September 30, 2023				
Revision			2021.12				