

Solar Medium Kit

SS-M05

Brand name: SupSolar

Verify online:

<https://data.verasol.org/products/sek/hss-smk>

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

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

Two year warranty provided covering product failure from normal use.

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	1x Tubelight and 3x 1 W lamps on high mode totaling 560 lumens and 4.5 W power	7.7 hours	3.8 hours
yes	included	Torch	64 lumens torch, Li-ion battery: 1.8 Ah, 3.7 V	16 hours	3.8 hours
yes	included	Lantern	78 lumens portable lantern, LiFePO ₄ battery: 0.6 Ah, 3.2 V	46 hours	3.8 hours
no	not included	Smart Phone	Smart phone (5.7 Wh battery)	5.1 full charge(s)	0.95 full charge(s)
yes	included	Radio	Portable radio (Li-ion battery: 0.99 Ah, 3.6 V), with a power consumption of 0.29 W while in use	110 hours	2.8 hours

Available daily electrical energy ^e (Wh/day)	36
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Performance measure	Brightness setting: 4 lights on high
Lighting full battery run time ^d for main unit (hours)	7.9
Lighting full battery run time of the lantern powered by lantern battery (hours)	3.5
Lighting full battery run time of the torch powered by torch battery (hours)	3.3
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	4980

^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
1 W bulb	3	2	High mode	120	1.1	130	83	6700	Wide	100%
Tubelight	1	2	High mode	200	1.7	114	84	7000	Wide	100%
Torch	1	2	High mode	64	1.5	48	85	6900	Narrow	100%
Lantern	1	2	High mode	78	0.59	160	74	15000	Omnidirectional	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

PORTS		
2	USB 2.0 type A	 Mobile phones can be charged. Adapters are included.
4	Barrel jack	 6.85 V ports available to power light points.
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
	Torch	Has protection from occasional rain; met IPX1
	Portable Lantern	Has protection from frequent rain; met IPX3
SOLAR DETAILS		
PV module type		Monocrystalline silicon
PV maximum power		11 watts
PV rated power		12 watts
PV nominal voltage		10 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
Specific Li-ion battery chemistry		lithium iron phosphate
Battery package type		32700
Battery capacity		6.9 Ah
Battery nominal voltage		6.4 V
Battery status/ other indicator lights		Four green indicators show the charging status and battery status
PRODUCT DETAILS		
Company name		Ningbo Supsolar Electric Co., Ltd
Brand Name		SupSolar
Product name		Solar Medium Kit
Product model / ID number		SS-M05
Contact information		sue.liang@china-yiteng.com
Website		www.sup-solar.com
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		2025.01