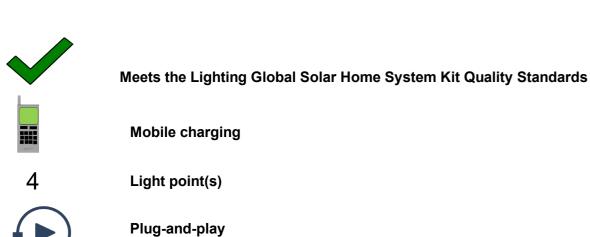
## Solar Medium Kit

M05 Ningbo Supsolar Electric Co., Ltd

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

Verify online: https://data.verasol.org/products/sek/nss-smk Valid until: June 30, 2024





## WARRANTY INFORMATION

Two year warranty provided covering product failure from normal use.

PERFORMANCE DE	TAILS					
				Run time after a ty char		
				(assuming 5kWh/m²/day)		
VeraSol Certified?	Included in Kit?	Appliance <sup>a</sup>	Description	Used alone <sup>b</sup>	Used in combination <sup>c</sup>	
yes	included	Main lighting unit	4 light points on high mode totaling 480 lumens and 3.8 W power	8.9 hours	4.3 hours	
yes	included	Torch	64 lumens torch, Li-ion battery: 1.8 Ah, 3.7 V	17 hours	4.4 hours	
yes	included	Lantern	78 lumens portable lantern, LiFePO4 battery: 0.6 Ah, 3.2 V	47 hours	4.4 hours	
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	7.7 full charge(s)	1.1 full charge(s)	

Available daily electrical energy<sup>c</sup> (Wh/day) 33

**Performance measure** 

Brightness setting: High mode

Lighting full battery run time<sup>d</sup> for main unit (hours)

Lighting full battery run time of the lantern powered by lantern battery (hours)	3.5
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	3440

<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 (Im)	Lumen efficacy <sup>e</sup> (Im/W)	CRI <sup>f</sup>	CCT <sup>g</sup>	Distribution type	Lumen maintenance <sup>h</sup>
LED lamp	4	2	High mode	120	130	83	6700	Wide	100%
Torch	1	2	High mode	64	48	85	6900	Narrow	100%
Lantern	1	2	High mode	78	160	74	15000	Omnidirectional	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 vieiwing 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

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 p	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 DETAIL	.S					
PV module type			Polycrystalline silicon			
PV maximum po			11 watts			
	ITERY DETAILS					
Battery replacea	bility		Easily replaceable with common tools.			
Battery chemistr	у		Lithium iron phosphate			
Battery package type			32700			
Battery capacity			5.9 Ah			
Battery nominal voltage			6.4 V			
Battery status indication			Four green indicators show the charging status and battery status			
PRODUCT DET	AILS					
Manufacturer na			Ningbo Supsolar Electric Co., Ltd			
Product name			Solar Medium Kit			
Product model / ID number			M05			
Contact information			rossi.ying@china-yiteng.com			
Website			www.sup-solar.com			
Dimensions (entire product in package)			36.5 x 24.5 x 12 cm			
Mass			3320 g			
SSS INFORMATI	ON					
Specs sheet expiration date			June 30, 2024			
Quality standards framework version			2021			
Revision			2024.04			