MySol Neo Solar Home System

M0010

Engie Mobisol GmbH

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/emb-msneo
Valid until: April 30, 2024

Meets the requirements in IEC TS 62257-9-8:2020 for Size A Kits

Mobile charging

PAYG **Pay-As-You-Go option available**

3 **Light point(s)**

Plug-and-play

WARRANTY INFORMATION

A 1-year warranty covering manufacturing defects in the system.

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	3 light points on (High) totaling 480 lumens and 3 W power	7.1 hours	5.4 hours
yes	not included	Smart phone	Smart phone (5.7 Wh battery)	3.9 full charge(s)	1.4 full charge(s)

Available daily electrical energy[c] (Wh/day)	25

Performance measure	**Brightness setting: High**
Lighting full battery run time[d] for main unit (hours)	7.1
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	3410

[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)**	**Lumen efficacy[e] (lm/W)**	**CRI[f]**	**CCT[g]**	**Distribution type**	**Lumen maintenance[h]**
LED light	3	3	High	160	160	84	5200	Wide	100%

[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

PORTS			
1	**USB 2.0 type A**		Mobile phones can be charged. Adapters are not included.
3	**Barrel jack**		12 V ports available to power light points.

DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch 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

SOLAR DETAILS	
PV module type	Polycrystalline silicon
PV maximum power	9.6 watts

MAIN UNIT BATTERY DETAILS	
Battery replaceability	Not easily replaceable with common tools.
Battery chemistry	Lithium iron phosphate
Battery package type	HCF26650
Battery capacity	7.6 Ah
Battery nominal voltage	3.2 V
Battery status/ other indicator lights	Four indicators for battery state of charge.

PRODUCT DETAILS	
Manufacturer name	Engie Mobisol GmbH
Product name	MySol Neo Solar Home System
Product model / ID number	M0010
Contact information	china_opm.a2e@engie.com
Website	www.engie-energyaccess.com
Dimensions (entire product in package)	27 x 39 x 10 cm
Mass	2400 g

SSS INFORMATION	
Specs sheet expiration date	April 30, 2024
Revision	2022.05