

MySol Pro (40 W 2 RCF) Solar Home System

40 W 2 RCF
Engie Mobisol GmbH

Verify online:
<https://data.verasol.org/products/sek/ms-40wrcf>

Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-8

Valid until: October 31, 2025



Meets the Requirements in IEC TS 62257-9-8:2020 for Size B kits



Mobile charging

PAYG

Pay-As-You-Go option available

3

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 3-year warranty for the main unit and PV module, a 2-year warranty for the LED Lights, remote, cables, radio, and TV, and a 1-year warranty for the torch

PERFORMANCE DETAILS

VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Run time after a typical day of solar charging (assuming 5kWh/m ² /day)	
				Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	2 light points on high totaling 280 lumens and 3.5 W power	38 hours	8.9 hours
yes	included	Torch	180 lm torch (Li-ion battery: 2.6 Ah, 3.6 V)	69 hours	9 hours
yes	not included	Television	32" diagonal television (1.3 W power consumption while in use)	8.6 hours	4.5 hours
yes	included	Radio	Portable radio (Li-ion battery: 1 Ah, 3.7 V), with a power consumption of .35 W while	240 hours	6.7 hours
no	not included	Smart phone	Smart phone (5.7 Wh battery)	14 full charge(s)	2.2 full charge(s)

Available daily electrical energy ^e (Wh/day)	22
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Performance measure	Brightness setting: high
Lighting full battery run time ^d for main unit (hours)	24
Lighting full battery run time of the torch powered by torch battery (hours)	5.7
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	2520

^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	2	2	High	190	110	84	5000	Wide	100%
Torch	1	2	Brighter	180	140	84	5200	Wide	--%

^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		
2	USB 2.0 type A	 Mobile phones and radios can be charged.
3	Barrel jack	 12 V ports available to charge devices and power appliances and light points
1	DC Port (proprietary)	12 V TV port for powering TV. TV not included in this kit.
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 IPX3
	Radio	Has protection from occasional rain; met IPX3
	Portable Lantern	Has protection from ; met
SOLAR DETAILS		
PV module type		Polycrystalline silicon
PV maximum power		42 watts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry		Lithium-ion
Specific Li-ion battery chemistry		lithium nickel manganese cobalt oxide
Battery package type		18650
Battery capacity		7.9 Ah
Battery nominal voltage		14.4 V
Battery status/ other indicator lights		One indicator for device paring, one indicator for hazzard error, one indicator for lock status, five indicators for battery level, three indicators for PV charging strength
PRODUCT DETAILS		
Manufacturer name		Engie Mobisol GmbH
Product name		MySol Pro (40 W 2 RCF) Solar Home System
Product model / ID number		40 W 2 RCF
Contact information		china_opm.a2e@engie.com
Website		https://engie-energyaccess.com/
Dimensions (entire product in package)		Multiple packages. Contact manufacturer for more information.
SSS INFORMATION		
Specs sheet expiration date		October 31, 2025
Revision		2023.11