

MySol 200W TV 32" (100Ah) (Torch)

Engie Mobisol GmbH

Verify online:

<https://data.verasol.org/products/sek/ms-200TV>

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

Valid until: July 31, 2024



Meets the requirements in IEC TS 62257-9-8 for Size B Kits



Mobile charging

PAYG

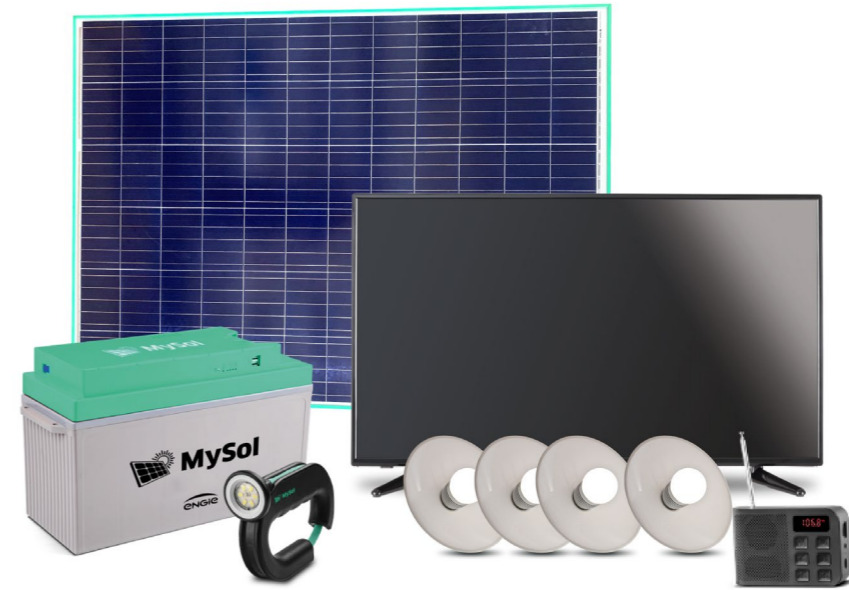
Pay-As-You-Go option available

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 3-year warranty covering manufacturing defects in the system and a 2-year warranty for the battery.

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	4 light points on On totaling 1200 lumens and 8.4 W power	75 hours	32 hours
yes	included	Torch	180 lumens torch, Li-ion battery: 2.6 Ah, 3.6 V	290 hours	31 hours
yes	included	Television	32" diagonal 14 W power consumption while in-use	47 hours	16 hours
yes	included	Radio	Portable Li-ion battery: 1.1 Ah, 3.7 V, with a power consumption of 0.36 W while in-use	1100 hours	24 hours
no	not included	Mobile phone	Smart phone (5.7 Wh battery)	65 full charge(s)	7.9 full charge(s)

Available daily electrical energy^c (Wh/day) 590

Performance measure	Brightness setting: On
Lighting full battery run time ^d for main unit (hours)	38
Lighting full battery run time of the Torch powered by Torch battery (hours)	7
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	142000

^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
2 W Bulb	4	1	On	300	140	84	7000	Wide	100%
Torch	1	2	High	180	140	85	5100	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

SPECIAL FEATURES		
PAYG	★ Pay-As-You-Go enabled	
PORTS		
2	USB 2.0 type A  Mobile phones and radios can be charged. Adapters are included.	
3	Barrel jack  Three 12 V barrel jack ports to power light points	
2	Anderson Powerpole  Two Mobisocket ports for powering 12 V appliances	
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 (TV) and lights	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
	Radio	Has protection from occasional rain; met with appropriate warning label
SOLAR DETAILS		
PV module type	Polycrystalline silicon	
PV maximum power	190 watts	
MAIN UNIT BATTERY DETAILS		
Battery replaceability	Not easily replaceable with common tools.	
Battery chemistry	Sealed lead-acid	
Battery capacity	120 Ah	
Battery nominal voltage	12 V	
Battery status/ other indicator lights	Four indicators for charging, battery level	
PRODUCT DETAILS		
Manufacturer name	Engie Mobisol GmbH	
Product name	MySol 200W TV 32" (100Ah) (Torch)	
Contact information	china_opm.a2e@engie.com	
Website	www.plugintheworld.com	
Dimensions (entire product in package)	Multiple packages. Contact manufacturer for more information.	
SSS INFORMATION		
Specs sheet expiration date	July 31, 2024	
Revision	2024.04	