

MySol 120 W TV 32" kit

B35CAC-SC82


Brand name: MySol

Verify online:


<https://data.verasol.org/products/sek/em-120tv32>

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


Valid until: March 31, 2026



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




Mobile charging



Pay-As-You-Go option available

4

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 2-year warranty for the main components (battery, charge controller, PV module, TV, lights) covering manufacturing defects in the system. A 1-year warranty for other accessories 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	4 light points on on totaling 1200 lumens and 8.4 W power	33 hours	13 hours
yes	included	Torch	130 lm torch (Li-ion battery; 2.6 Ah 3.6 V)	121 hours	13 hours
yes	included	Radio	Portable radio (Li-ion battery, 1 Ah, 3.6 V), with a power consumption of 0.36 W while in use	447 hours	10 hours
yes	included	Television	32" diagonal, 14 W power consumption while in-use	18 hours	6.6 hours
no	not included	Smart phone	Smart phone (5.7 Wh battery)	27 full charge(s)	3.3 full charge(s)

Available daily electrical energy ^c (Wh/day)	242
---	-----

Performance measure	Brightness setting: high
Lighting full battery run time ^d for main unit (hours)	33
Lighting full battery run time of the torch powered by torch battery (hours)	116
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	35900

^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 ^e (lm/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
2 W Bulb	4	1	on	300	2.1	140	84	7000	Wide	100%
Torch	1	2	high	130	1.2	110	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

PORTS		
2	USB 2.0 type A	 Mobile phones, torches, and radios can be charged. Adapters are included.
3	Barrel jack	 12 V ports available to power light points.
2	Anderson Powerpole	 12 V ports available to charge devices and power appliances.
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
	Torch	Has protection from occasional rain; met IPX1
SOLAR DETAILS		
PV module type		Monocrystalline silicon
PV maximum power		119 watts
PV rated power		120 watts
PV open-circuit voltage (V _{OC})		23.95 volts
MAIN UNIT BATTERY DETAILS		
Battery replaceability		Not easily replaceable with common tools.
Battery chemistry		Sealed lead-acid
Battery package type		Prismatic VLRA
Battery capacity		35 Ah
Battery nominal voltage		12 V
Battery status / other indicator lights		One indicator for network. Four indicators for charging, battery level, locked situation and alarm situation.
PRODUCT DETAILS		
Company name		Engie Mobisol GmbH
Brand Name		MySol
Product name		MySol 120 W TV 32" kit
Product model / ID number		B35CAC-SC82
Contact information		china-opm.a2e@egnie.com
Website		https://engie-energyaccess.com
Dimensions (entire product in package)		Multiple packages. Contact manufacturer for more information.
Mass		n/a
SSS INFORMATION		
Specs sheet expiration date		March 31, 2026
Revision		2025.10