

WOWsolar TV

Amped Innovation PBC

Results based on test procedures detailed in
Lighting Global Solar Home System Test Method, Ed. 2.0

Verify online:

www.lightingglobal.org/products/ai-wsTV

Valid Until: December 31, 2019



Available Daily Electrical Energy (Wh/day)

113

Lumens

480



Meets Lighting Global
Quality Standards



Mobile Charging

PAYG

Pay-As-You-Go Available

4 Light Points

2 5-volt USB Ports



2 12-volt Ports



Warranty Information

A 2-year warranty covering manufacturing defects for the system and a 1-year warranty for the TV.

Performance Details

| Appliance ^b | Description | Included with kit? | Power ^b (W) | Run Time After a Typical Day of Solar Charging ^a | | |
|------------------------|---------------------------------------|--------------------|------------------------|---|----------------------------------|------------------------|
| | | | | Used Alone ^c | Used In Combination ^d | Run Time Units |
| Main lighting | 4 light points on totaling 480 lumens | included | 3.4 | 27 | 11.0 | hours |
| Television | 19" diagonal | included | 10.4 | 11 | 5.4 | hours |
| Radio | portable (3 Wh battery) | advertised | -- | 124 | 8.4 | hours |
| Mobile Phone | Basic phone (3.7 Wh battery) | advertised | -- | 210 | 2.8 | number of full charges |

Available daily electrical energy^d (Wh/day): 113

Performance Measure

Brightness Setting: 4 lamps on high

Lighting full battery run time^e (hours)

21

Total light output in lumens^f

480

^a A typical day of solar charging assumes 5 kWh/m²/day

^b Only included appliances were tested. Run times and power ratings for appliances sold separately come from manufacturer ratings or standard estimates.

^c Without any other loads used during the run time

^d Based on an example use profile with all of the appliances listed above used in combination

^e 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.

^f 1 candle or kerosene wick lamp = approximately 10 lumens

Lighting Details

| Lamp Name | Type | Number of Settings | Light Output (lm) | Lumen Efficacy (lm/W) | CRI ^g | CCT ^h | Distribution Type | Lumen Maintenance ⁱ |
|------------|------|--------------------|-------------------|-----------------------|------------------|---------------------|-------------------|--------------------------------|
| Round Lamp | LED | 2 | 120 | 114 | 74 | Daylight (> 5000 K) | Wide | >90% |

^g Color Rendering Index. An index of 100 is equivalent to viewing objects in daylight; above 80 is considered good.

^h Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm, cool, or daylight.

ⁱ Percent of the original light output that remains after 2,000 hours of run time

Special Features

| | |
|--------------------------------|---|
| Mobile charging and appliances | USB and 12 V ports available to charge devices and power appliances |
|--------------------------------|---|

Durability

| | |
|------------------------------------|---|
| Overall durability and workmanship | Pass |
| Durability tests passed | Switch and connector cycling, strain relief test, physical ingress protection test. Water ingress protection not tested; meant for indoor use only. |

Solar Details

| | |
|------------------|-------------------------|
| PV module type | Polycrystalline silicon |
| PV maximum power | 35 watts |

Battery Details

| | |
|---------------------------|--|
| Battery replaceability | Not easily replaceable with common tools |
| Battery chemistry | Lithium iron phosphate |
| Battery package type | 18650 x 4) x 5 (1 in the main controller and 4 in the external battery) |
| Battery capacity | 1500 mAh (main unit) and 5700 mAh (external battery) |
| Battery nominal voltage | 12.8 V |
| Battery Status Indication | Seven LED indicators on the right side formed a digital display screen to show the battery level |

Product Details

| | |
|--|--|
| Manufacturer name | Amped Innovation PBC |
| Product name | WOWsolar TV |
| Product model / ID number | WOWsolar TV |
| Contact information | info@ampedinnovation.com |
| Website | www.ampedinnovation.com |
| Dimensions (entire product in package) | not applicable, product comes in multiple packages |
| Weight | 5230 g |

SSS Information

| | |
|-------------------------------------|-------------------|
| Specs sheet expiration date | December 31, 2019 |
| Quality Standards Framework Version | 2018 |
| Revision | 2018.08 |