WOWsolar TV

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Amped Innovation PBC

Results based on test procedures detailed in
IEC 62257-9-5 v.4

✔ **Meets the Lighting Global Solar Home System Kit Quality Standards**

📱 **Mobile charging**

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

4 **Light point(s)**

WARRANTY INFORMATION

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

PERFORMANCE DETAILS

	Appliance[a]	Description	Run time after a typical day of solar charging (assuming 5kWh/m²/day)	
			Used alone[b]	Used in combination[c]
included in kit	Main lighting unit	4 light points on high totaling 480 lumens and 3.4 W power	22 hours	11 hours
included in kit	Television	22" diagonal (10 W power consumption while in use)	11 hours	5.4 hours
sold separately	Radio	portable (3 Wh battery)	120 hours	8.4 hours
sold separately	Mobile phone	Basic phone (3.7 Wh battery)	210 full charge(s)	2.8 full charge(s)

Available daily electrical energy[c] (Wh/day)	113

Performance measure	Brightness setting: 4 lamps on high
Lighting full battery run time[d] for main unit (hours)	22
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	10600

[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]
Round Lamp	4	2	High	120	110	74	5000	Wide	90%

[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 vieiwing 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		
Mobile charging and appliances	⭐	**USB and 12 Vports available to charge devices and power appliances**
PAYGo	⭐	**Pay as you Go enabled**

PORTS			
2	**USB 2.0 type A**		Mobile phones and radios can be charged.
2	**Barrel jack**		12 V ports available to charge devices and power appliances and light points.

DURABILITY		
Overall durability and workmanship		Pass
Durability tests passed		Switch test, Strain relief test, Physical ingress protection.
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	35 watts

MAIN UNIT 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	1.5 Ah (main unit) and 5.9 Ah (external battery) Ah
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
Mass	5230 g

SSS INFORMATION	
Specs sheet expiration date	October 31, 2024
Quality standards framework version	2020
Revision	2024.04