

# Mobisol Bright Future 200 W SHS-32" TV

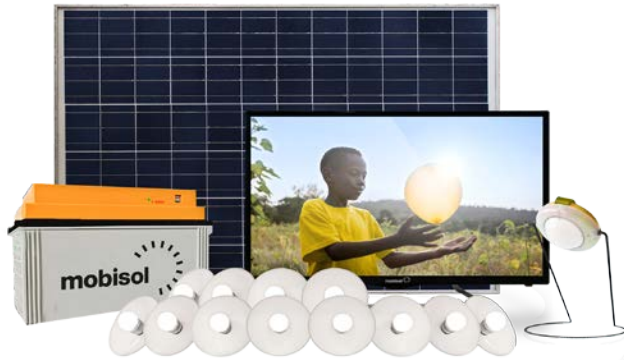
Mobisol

Verify online:

[www.lightingglobal.org/products/mb-bf200](http://www.lightingglobal.org/products/mb-bf200)

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

Valid Until: January 31, 2020



## Available Daily Electrical Energy (Wh/day)

600

Lumens

5700



Meets Lighting Global Quality Standards



Mobile Charging

**PAYG**

Pay-As-You-Go Option Available

12 Light Points

2 5-volt USB Ports 

3 12-volt Ports 

2 3-prong Mobisocket jacks

## Warranty Information

Three or four years for the main unit and lights, depending on the customer contract and two years for the TV, antenna, and phone charger

## Performance Details

Appliance <sup>b</sup>	Description	Included with kit?	Power <sup>b</sup> (W)	Run Time After a Typical Day of Solar Charging <sup>a</sup>		
				Used Alone <sup>c</sup>	Used In Combination <sup>d</sup>	Run Time Units
Main lighting	12 light points on totaling 5700 lumens	included	42	14	11.0	hours
Torch	45 lumens	included	--	2300	11.0	hours
Television	32" diagonal	included	21	29	5.4	hours
Radio	portable (3.7 Wh battery)	sold separately	--	705	8.1	hours
Mobile Phone	Basic phone (3.7 Wh battery)	advertised	--	110	2.7	number of full charges

Available daily electrical energy<sup>d</sup> (Wh/day): 600

## Performance Measure

Brightness Setting: 12 3.5 W bulbs on

Lighting full battery run time<sup>e</sup> (hours)

14

Total light output in lumens<sup>f</sup>

5700

<sup>a</sup> A typical day of solar charging assumes 5 kWh/m<sup>2</sup>/day

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

<sup>c</sup> Without any other loads used during the run time

<sup>d</sup> Based on an example use profile with all of the appliances listed above used in combination

<sup>e</sup> 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.

<sup>f</sup> 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 <sup>g</sup>	CCT <sup>h</sup>	Distribution Type	Lumen Maintenance <sup>i</sup>
3.5 W Bulb	LED	1	474	137	81	Cool (5000-7000 K)	Wide	>99%
2 W Bulb	LED	1	204	102	82	Cool (5000-7000 K)	Wide	>99%

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

<sup>h</sup> Correlated Color Temperature in degrees Kelvin. Describes color appearance as warm, near daylight, or cool.

<sup>i</sup> 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
Pay-as-you-go	Smart technology for PAYG payments, automated loan accounting and SHS monitoring

## Durability

Overall durability and workmanship	Pass
Durability tests passed	Switch and connector cycling, strain relief test, physical ingress protection test. Drop test (applies to torch). Water ingress protection not tested; meant for indoor use only.

## Solar Details

PV module type	Polycrystalline silicon
PV maximum power	200 watts

## Battery Details

Battery replaceability	Not easily replaceable with common tools
Battery chemistry	Sealed lead-acid
Battery package type	40 cm x 27 cm x 17 cm
Battery capacity	96 Ah
Battery nominal voltage	12 V
Battery Status Indication	4 LEDs indicate the status of the battery

## Marks and Certifications

Factory certification	ISO 9001
Other certification	TV tested in accordance with IEC 60065, PV panel tested in accordance with IEC 61215

## Product Details

Manufacturer name	Mobisol
Product name	Mobisol Bright Future 200 W SHS-32" TV
Product model / ID number	SC82
Contact information	communications@plugintheworld.com
Website	www.plugintheworld.com
Dimensions (entire product in package)	Components Packaged Separately: Main Unit: 40 cm x 27 cm x 17 cm, TV: 73 cm x 43 cm x 7 cm Bulb: 6 cm x 6 cm x 10 cm, PV module: 132 cm x 98 cm
Weight	59425 g

## SSS Information

Specs sheet expiration date	January 31, 2020
Quality Standards Framework Version	2018
Revision	2018.01