Cello Solar TV 32"

Cello

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

Verify online:
https://data.verasol.org/products/sek/cello-stv32
Valid until: March 31 2023

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

Mobile charging

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

6 **Light point(s)**

▶ **Plug-and-play**

WARRANTY INFORMATION

The product provides a 2-year warranty that covers manufacturing defects that prevent operation under normal use and protection from early component failure

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	6 light points on high mode totaling 820 lumens and 5.4 W power	24 hours	10 hours
yes	included	Television	32" diagonal (15 W power consumption while in-use)	11 hours	5.4 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	25 full charge(s)	2.7 full charge(s)

Available daily electrical energy[c] (Wh/day)	150

Performance measure	Brightness setting: High Mode
Lighting full battery run time[d] for main unit (hours)	24
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	19800

[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]
Hanging Lamp	6	3	High Mode	140	160	83	5200	Wide	99%

[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			
PAYG	⭐	**Pay-As-You-Go enabled**	

PORTS			
2	**USB 2.0 type A**		Mobile phones can be charged. Adapters are included.
3	**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, Drop test, Strain relief test, Physical ingress protection, PV durability tests
Level of water protection	Main Unit with integrated TV	Water ingress protection not tested, meant for indoor use only.
	PV module	Has protection from permanent outdoor exposure.
	Main Lighting Unit	Water ingress protection not tested, meant for indoor use only.

SOLAR DETAILS	
PV module type	Monocrystalline silicon
PV maximum power	40 watts

MAIN UNIT BATTERY DETAILS	
Battery replaceability	Easily replaceable with common tools; however, the warranty is void if product is opened.
Battery chemistry	Lithium iron phosphate
Battery package type	26650
Battery capacity	10 Ah
Battery nominal voltage	12.8 V
Battery status indication	One red power indicator shows the TV working status.

PRODUCT DETAILS	
Manufacturer name	Cello
Product name	Cello Solar TV 32"
Contact information	klaus@celloelectronics.com
Website	www.celloelectronics.com
Tested as	OOLU Solar TV 32"
Dimensions (entire product in package)	86 x 53 x 26 cm
Mass	13400 g

SSS INFORMATION	
Specs sheet expiration date	March 31 2023
Quality standards framework version	2021
Revision	2021.03