

téréBox

ALS-TB384

Brand name: ALIOTHSYSTEM

Results based on test procedures detailed in IEC TS 62257-9-5:2018 and IEC TS 62257-9-8:2020

Verify online:

<https://data.verasol.org/products/sek/as-tb>

Valid until: July 31, 2027



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



Mobile charging

PAYG

Pay-As-You-Go option available

6

Light point(s)



Plug-and-play



WARRANTY INFORMATION

A 3-year warranty 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	6 light points on "on" totaling 2660 lumens and 21 W power	11 hours	4.5 hours
no	not included	Fan	Fan (16" or smaller diameter, 13 W power)	18 hours	5.7 hours
no	not included	Radio	Portable radio (Li-ion battery: 1 Ah, 3.7 V) with power consumption of 0.5 W while in use	290 hours	3.5 hours
no	not included	Torch	Torch with 2 Wh battery and 2.25 W power while charging	480 hours	4.7 hours
no	not included	Tablet	Tablet computer (30 Wh battery) (15Wh battery)	10 hours	1.2 hours
no	not included	TV	16" or smaller (diagonal) (13 W power consumption while in use)	18 hours	2.3 hours
no	not included	Hair clipper	Portable hair clipper (5 W power)	29 hours	--

Available daily electrical energy [Wh/day]	220
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Performance measure	Brightness setting: 6 lights "on"
Lighting full battery run timed for main unit [hours]	13
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	29300

^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 name	Light output [lm]	Power Consumption [W]	Lumen efficacy ^e [lm/W]	CRI ^f	CCT ^g	Lumen maintenance ^h
Tubelight	2	1	on	610	4.9	120	79	6900	100
Bulb	4	1	on	360	2.8	130	81	6700	100

^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 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.
6	Barrel jack		12 V ports available to power light points.
2	Barrel jack		12 V ports available to power TVs and fans.
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	
	Bulb and Tubelights	Water ingress protection not tested, meant for indoor use only.	
SOLAR DETAILS			
PV Module Type			Monocrystalline silicon
PV Maximum Power			73 W
PV Rated Power			80 W
PV Open-Circuit Voltage (V _{OC})			19.1 V
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			32700
Battery Capacity (tested)			24 Ah
Battery Capacity (rated)			24 Ah
Battery Nominal Voltage			12.8 V
Battery status / other indicator lights			LCD screen in main unit displays battery power.
PRODUCT DETAILS			
Company Name (full)			ALIOTHSYSTEM ENERGY SAS
Company Name ("brand")			ALIOTHSYSTEM
Product Name			téréBox
Product Model or ID Number			ALS-TB384
Company Contact Information			contact@aliothsystem.com
Company Website			www.aliothsystem.com
Mass			n/a
SSS INFORMATION			
Expiration Date			July 31, 2027
Revision			2025.07