Solar Home System

VEK1210

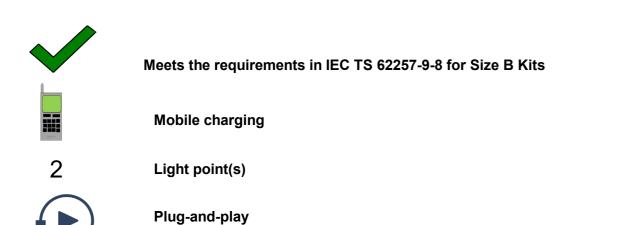
Chaohu Venus Solar Technology Co., Ltd.

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

Verify online:

https://data.verasol.org/products/sek/sez-vek1210

Valid until: December 31, 2025









Run time after a typical day of solar

WARRANTY INFORMATION

PERFORMANCE DETAILS

A 2-year warranty covering manufacturing defects in the system.

				cnar	ging
		(assuming 5kWh/m²/day)			
VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	2 light points on "ON" totaling 640 lumens and 4.6 W power	24 hours	21 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	23 full charge(s)	5.2 full charge(s)

Available dail	ly electrical energy ^c (Wh/day)	117
/ Wallable dall	y clockfour offergy (vvii/day)	111

Performance measure	Brightness setting: Two 2 W lamps on "On".		
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)	15400		

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

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 (Im/W)	CRI ^f	CCT ^g	Distribution type	Lumen maintenance ^h
2 W lamp	2	1	On	320	140	81	6600	Wide	101%

^e Lumen efficacy is the power consumption at a light point during the light output test.

^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.

^fColor Rendering Index. An index of 100 is equivalent to viewing 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

PORTS							
1	USB 2.0 type A	2.0 type A Mobile phones can be charged. Adapters are not included.					
3	Barrel jack	Barrel jack — 12 V ports available to power light points.					
DURABILITY							
Overall durability	and workmanship		Pass				
Durability tests pa	assed		Switch test, Strain relief test, Physical ingress protection, PV durability tests				
		Main Unit	Water ingress protection not tested, meant for indoor use only.				
Level of water pro	tection	PV module	Has protection from permanent outdoor exposure				
SOLAR DETAILS							
PV module type			Polycrystalline silicon				
PV maximum pov	ver		32 watts				
MAIN UNIT BAT	TERY DETAILS						
Battery replaceab	ility		Easily replaceable with common tools; however, the warranty is void if product is opened.				
Battery chemistry			Lithium-ion				
Specific Li-ion ba	ttery chemistry		lithium cobalt oxide				
Battery package t	уре		21700				
Battery capacity			9.5 Ah				
Battery nominal v	oltage		11.1 V				
Battery status/ ot	ner indicator lights		Three indicators for battery level and PV charging.				
PRODUCT DETA	ILS						
Manufacturer nar	ne		Chaohu Venus Solar Technology Co., Ltd.				
Product name			Solar Home System				
Product model / I	D number		VEK1210				
Contact information			wei.cheng@ezrenewables.com				
Website			www.ezrenewables.com				
Dimensions (entire product in package)			Multiple packages. Contact manufacturer for more information.				
Mass			N/A				
SSS INFORMATIO	N						
Specs sheet expi	ration date		December 31, 2025				
Revision			2025.10				