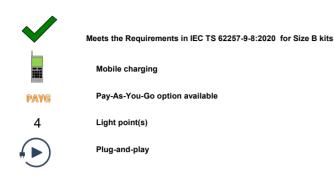
Results based on test procedures detailed in IEC TS 62257-9-5 and IEC TS 62257-9-4

Verify online: https://data.verasol.org/products/sek/cvs-shs1218 Valid until: June 30, 2025





Note - SHS-1218-PAYG was tested with 4 light points

WARRANTY INFORMATION A 2-year warranty covering manufacturing defects in the system. PERFORMANCE DETAILS

					ypical day of solar 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	4 light points on totaling 1270 lumens and 9.2 W power	20 hours	3.2 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	31 full charge(s)	0.79 full charge(s)
no	not included	Television	Greater than 16" diagonal (18 W power consumption while in-use)	9.9 hours	1.6 hours
no	not included	Radio	Portable radio (3.7 Wh battery, 3.7 V nominal voltage) with rated power consumption of 0.5 W	230 hours	2.4 hours
no	not included	Fan	Table fan (28 W power)	6.3 hours	4 hours
no	not included	Torch	Basic torch (2.0 Wh Battery)	380 hours	3.2 hours

Available daily electrical energy^c (Wh/day) 170

Performance measure	Brightness setting: Four 2 W LED Lamps on		
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)	25400		

^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 (Im)	Lumen efficacy ^e (Im/W)	CRI ^f	CCTª	Distribution type	Lumen maintenance ^h
2 W lamp	4	1	On	320	140	81	6600	Wide	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 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 and radios can be charged. Adapters are not included.				
6 Barrel jack		12 V ports available to charge devices and power lights and appliances, 6 of these ports are rated for a maximum of 2 A.				
1 Barrel jack		One high-power 12 V port is available to power appliances, rated with a maximum of 5 A.				
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					
SOLAR DETAILS						
PV module type		Monocrystalline silicon				
PV maximum power		60 watts				
MAIN UNIT BATTERY DETAILS						
Battery replaceability		Easily replaceable with common tools; however, the warranty is void if product is opened.				
Battery chemistry		Lithium-ion				
Battery capacity		18 Ah				
Battery nominal voltage		11.1 V				
Battery status/ other indicator lights		Three green LEDs indicate battery state of charge and one indicates the charging status				
PRODUCT DETAILS						
Manufacturer name		Chaohu Venus Solar Technology Co., Ltd.				
Product name		Venus Solar Home System				
Product model / ID number		SHS-1218-PAYG				
Contact information		wei.cheng@ezrenewables.com				
Website		www.ezrenewables.com				
Dimensions (entire product in package)		18.2 x 18.2 x 13.8 cm				
Mass		2740 g				
SS INFORMATION						
Specs sheet expiration date		June 30, 2025				
Revision		2023.08				