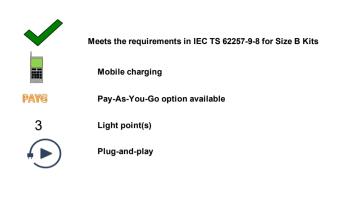
WARRANTY INFORMATION

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

Verify online. https://data.verasol.org/products/sek/rdg-r12022





A 2-year warranty covering manufacturing defects in the system and all included appliances PERFORMANCE DETAILS Run time after a typical day of solar charging (assuming 5kWh/m²/day) Included in Used in VeraSol Certified? Description Appliance^a Used alone^b Kit? combination^c 3 light points on (On) totaling 474 Main lighting unit yes included 46 hours 12 hours lumens and 3.3 W power 18 W power consumption while in use not included Television 9.6 hours 6.1 hours no portable radio (Li-ion battery: 1 Ah, 3.7 not included Radio V) with power consumption of 0.5 W 220 hours 9 hours no while in use Basic phone (3.7 Wh battery) 3 full charge(s) not included Mobile phone 30 full charge(s) no

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

Performance measure	Brightness setting: On		
Lighting full battery run time ^d for main unit (hours)	46		
Total lighting service (lumen-hours/solar-day)	21600		

^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	ССТа	Distribution type	Lumen maintenance ^h
LED bulb	3	1	On	160	140	73	6800	Wide	100%

³ 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.

⁹ 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							
2	USB 2.0 type A	Mobile phones can be charged. Adapters are not included.					
4	Barrel jack		12 V ports available to power appliances and light points and to charge radios.				
DURABILITY							
Overall durability	and workmanship		Pass				
Durability tests p	Durability tests passed		Switch test, Strain relief test, Physical ingress protection, PV durability tests				
Level of water protection PV module		Main Unit	Water ingress protection not tested, meant for indoor use only.				
		PV module	Has protection from permanent outdoor exposure				
SOLAR DETAIL	S						
<i>,</i> ,	PV module type		Monocrystalline silicon				
PV maximum po			52 watts				
MAIN UNIT BAT							
Battery replaceability			Not easily replaceable with common tools.				
Battery chemistry			Lithium iron phosphate				
Battery package type			26650				
Battery capacity			12 Ah				
Battery nominal voltage			12.8 V				
Battery status/ other indicator lights			The screen on the main unit shows battery charge level.				
PRODUCT DET.	AILS						
Manufacturer name			RDG Collective				
Product name			RDG R1 Solar Home System				
Product model / ID number			R12022				
Contact information			rune@rdg-home.com				
Website			www.rdg-home.com				
Dimensions (entire product in package)			Multiple packages. Contact manufacturer for more information.				
Mass			n/a				
SSS INFORMATIO	N						
Specs sheet exp	Specs sheet expiration date		6/30/2024				
Revision	Revision		2022.06				