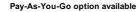
a group Its based on test procedures detailed in



Meets the Lighting Global Solar Home System Kit Quality Standards



Mobile charging





Light point(s)



Plug-and-play



Run time after a typical day of solar

A 3-year warranty covering manufacturing defects in the system and battery.

PERFORMANCE DETAILS			
PERFORMANCE DETAILS			
	PERFORMA	INCE	DETAILS

			chargii (assuming 5kV	ng
	Appliance ^a	Description	Used alone ^b	Used in combination ^c
included in kit	Main lighting unit	2 light points on high totaling 500 lumens and 4.71 W power	25 hours	5.2 hours
	Mobile phone	Basic phone (3.7 Wh battery)	21 full charge(s)	1.3 full charge(s)
ately	Television	23.6" diagonal (12 W power consumption while in-use)	10 hours	2.6 hours
epar	Fan	16" fan (8.5 W power)	14 hours	6.5 hours
sold separately	Radio	Portable (Li-ion battery: 3.7 Ah, 5 V), with a power consumption of 0.65 W while in-use	155 hours	3.9 hours
	Tablet	Tablet computer (15 Wh battery)	5.2 hours	

Available daily electrical energy^c (Wh/day) 120

Performance measure	Brightness setting: High
Lighting full battery run time ^d for main unit (hours)	27
Total lighting service (lumen-hours/solar-day) (includes the both main lighting unit and any lights with internal batteries included with the product)	12500

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 (lm/W)	CRI ^f	сст	Distribution type	Lumen maintenance ^h
Lamp 100	1	3	high	110	140	86	5300	Wide	99%
Tube Light 400	1	3	high	390	100	85	5200	Wide	99%

^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.

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

SPECIAL FEATUR	<u> </u>	Pay-As-You-Go enabled					
PORTS		i uj-na-i ou-oo cilableu					
2	USB 2.0 type A	—	Mobile phones and radios can be charged. Adapters are included.				
4	Barrel jack	-	12 V ports available to charge devices and power appliances and light points.				
DURABILITY							
Overall durability a	and workmanship		Pass				
Durability tests pas	ssed		Switch test, Strain relief test, Physical ingress protection.				
		Main Unit	Water ingress protection not tested, meant for indoor use only.				
Level of water prot	ection	35 W PV module	Has protection from permanent outdoor exposure				
SOLAR DETAILS							
PV module type			Polycrystalline silicon				
PV maximum power	er		34 watts				
MAIN UNIT BATTI	ERY DETAILS						
Battery replaceabi	lity		Easily replaceable with common tools; however, the warranty is void if product is opened.				
Battery chemistry			Lithium iron phosphate				
Battery package ty	pe		7P4S 18650				
Battery capacity			10.5 Ah				
Battery nominal vo	Itage		13 V				
Battery status indic	cation		Four indicators for battery state of charge				
MARKS AND CER	RTIFICATIONS						
Factory certification	n		ISO 9001:2015; ISO 14001:2015; ISO 45001:2018				
PRODUCT DETAI	LS						
Manufacturer name			fosera group				
Product name			LSHS 10500				
Contact information			info@fosera.com				
Website			www.fosera.com				
•	e product in package)		39.5 x 68 x 13 cm				
Mass			5950 g				
SSS INFORMATION	N						
Specs sheet expiration date			July 31, 2022				
Quality standards framework version			2020				
Revision			2020.07				