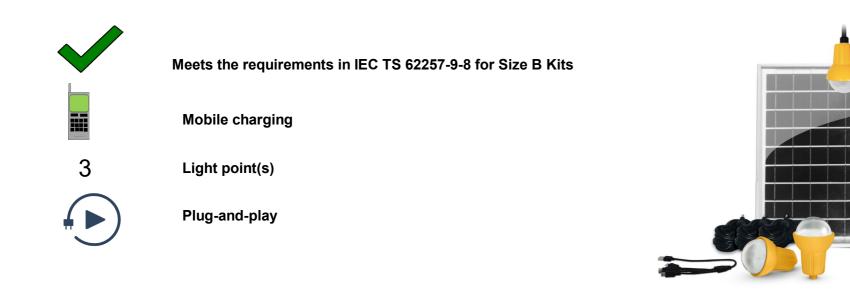
Ceres Box Next

K024T3

Shenzhen Power-Solution Ind 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/sps-esn *Valid until:* September 30, 2023



WARRANTY INFORMATION

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

PERFORMANCE DETAILS

				char	
	I	(assuming 5kWh/m²/day)			
VeraSol Certified?	Included in Kit?	Appliance ^a	Description	Used alone ^b	Used in combination ^c
yes	included	Main lighting unit	3 light points on "On" totaling 500 lumens and 4.2 W power	7.5 hours	6.3 hours
yes	included	Radio	portable (Li-ion battery: 1.5 Ah, 3.7 V), with a power consumption of 0.45 W while in use	120 hours	5.7 hours
no	not included	Mobile phone	Basic phone (3.7 Wh battery)	9.7 full charge(s)	1.9 full charge(s)

Available daily electrical energy^c (Wh/day)

37

Performance measure Brightness setting: On Lighting full battery run time^d for main unit (hours) 7.5 Total lighting service (lumen-hours/solar-day) 3750 (includes the both main lighting unit and any lights with internal batteries included with the product)

^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	CCT ^g	Distribution type	Lumen maintenance ^h
1.6 W LED light	3	1	On	170	120	74	7370	Wide	100%

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

^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							
2	USB 2.0 type A		Mobile phones and radios can be charged. Adapters are included.				
3	Barrel jack		6.4 V ports available to charge devices and power appliances and light points.				
DURABILITY							
Overall durability and workmanship			Pass				
Durability tests passed			Switch test, Drop test(radio only), Strain relief test, Physical ingress protection, PV durability tests				
Level of water protection Main Unit Radio		Main Unit	Water ingress protection not tested, meant for indoor use only.				
		PV module	Has protection from permanent outdoor exposure				
		Radio	Has protection from occasional rain; met with appropriate warning label				
SOLAR DETAILS							
PV module type			Polycrystalline silicon				
PV maximum power			16 watts				
MAIN UNIT BATTI	ERY DETAILS						
Battery replaceability			Easily replaceable with common tools; however, the warranty is void if product is opened.				
Battery chemistry			Lithium iron phosphate				
Specific Li-ion battery chemistry			lithium iron phosphate				
Battery package type			32650				
Battery capacity			6 Ah				
Battery nominal voltage			6.4 V				
Battery status indication			4 indicators that show the battery level and charging condition.				
MARKS AND CER	RTIFICATIONS						
Factory certification			ISO 9001:2015				
PRODUCT DETAI	LS						
Manufacturer name			Shenzhen Power-Solution Ind Co., Ltd				
Product name			Ceres Box Next				
Contact information			susan@power-solution.net.cn				
Website			https://www.power-solution.net.cn/				
Dimensions (entire product in package)			21 x 14 x 12 cm				
Mass			1250 g				
SSS INFORMATION	N						
Specs sheet expiration date			September 30, 2023				
Revision			2021.09				