

## Solar Home System SHS50-K010



	Description:	charging current	load current	Rating:			Content:
<b>Battery System</b>	<b>Litio SHS</b> with integrated PWMcharger and LCD display. Load Plug and Play feature.	20 A	20 A	12.8V	50.0 Ah	640 Wh	1 pc

Description of optional Light Points and other Loads:				V	Individual Lumen Output:		Content:
<b>Light -ing</b>	Light:	Sunflower	3.0 W		450 lm		3 pc
		Equipped with 6m wire and switch			Individual full battery runtime:	213 hours	
<b>Fridge/ Freezer</b>	Load:	Freezer 160L	60.00 W		560Wh/d @°32C		1 pc
		Commercial use			Individual full battery runtime:	1.1 days	
<b>Other</b>	Load:	Mobile Phone charging*	5.00 W	5 V			-
					Individual full battery runtime:	128.0 hours	
		total light point power					9.00 W
		total load power (incl. Light points)					69.00 W

<b>All light points lumen output:</b>						<b>1350 lm</b>
All load run time after typical day of solar charging						9.3 hours
<b>assume solar day: 5.0 KWh/m2/day</b>						<b>640.0 Wh/day</b>
extra Energy during day time: →						(414 Wh/day)
All lighting points + loads full battery runtime:						9.3 hours
All lighting points full battery runtime:						71.1 hours

<b>Solar</b>	Description:	<b>P<sub>mpp</sub> Rating:</b>	Content:
	Polycrystalline Silicon Solar Panel Equipped with 9m wire incl. Barrel	155 Wp	2 pc = 310 Wp

<b>Accessory</b>	Description:	Details	Content:
	Mobile phone adapter	USB charging adapter with USB-C, Mini-USB, Micro-USB	-
	Load distribution wire	Length: 3m, 3 outputs	1
	Load extension wire	Length: 5m	-
	USB distributor	2 USB output	-

Values are calculated and can variate according environment conditions

Product Warranty: 3 years on materials and manufacturing defects, except TV, Refrigerator with 2 years, phone charger with 1 year

\*) Advertised only

Operation ambient temperature -20 to +50°C; All values at 25°C ambient temperature

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Wiring Diagram:

