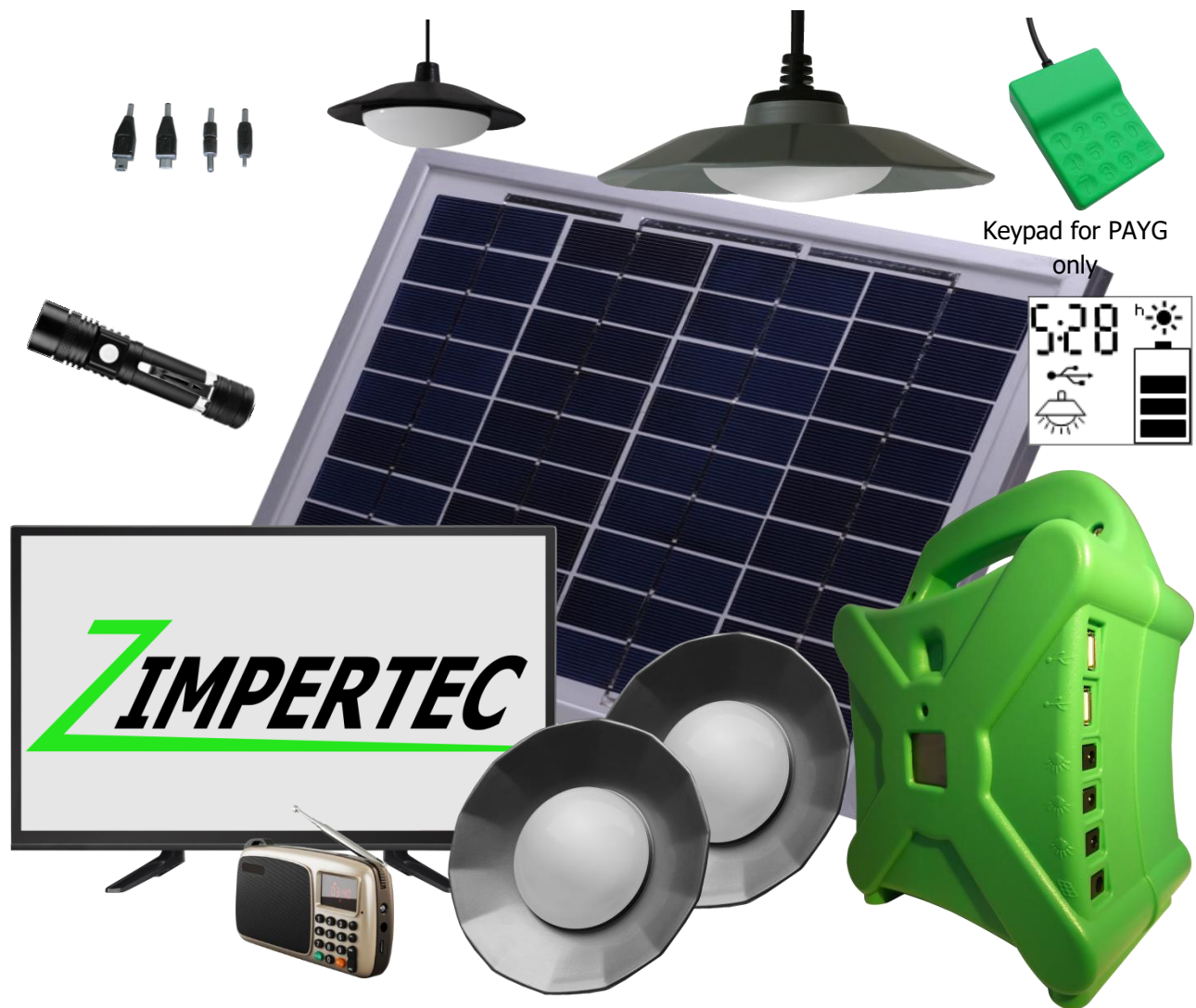


Litio Solar: LSX Solar Home System Kit



The Litio Solar Home System Kit combines long life products with easy Plug & Play installation. The Lithium Battery System`s built-in solar battery MPPT charger, battery monitoring system and load output control optimize the conditions for a long battery lifespan. The advanced LCD display provides the user with valuable and precise system information. The charge indicator shows the remaining operation time calculation/display and can help the user to manage his energy consumption. The USB outlet allows many 5V USB devices to be recharged or operated. Common 12V loads can be operated by the system.

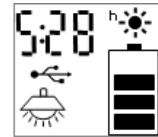
The Sunflower LED Lamp`s unique heat sink design and high frequency LED driver and included excess-temperature protection (dimming) as well as the absence of electrolytic capacitors make sure the lamp can last for very long time, even in harsh environments. The built-in 5m wire with switch and plug for an easy installation makes the system setup very simple. The optional extra extension wires make the system highly adjustable to different distances between the lamps place of use and the Litio System.

The Solar Panels power is optimized for recharging the Lithium Battery. In order to recharge the battery faster or in case of higher energy demands, it is possible to add more solar power to the system; multiple Kits can be combined and recharged together. As multiple Kits can be combined and recharged together it is easy to expand existing systems on request.

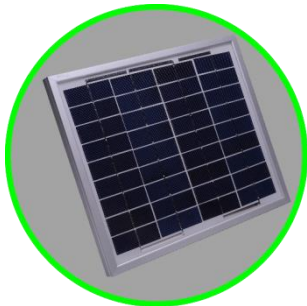
Litio Solar's Key features/optional accessories



- **Long Life Lithium Iron Phosphate Battery System >2000 full cycles**
- 12.8V nominal voltage: can operate standard 12V loads
- Rugged PC housing
- **89Wh/134Wh/179Wh/224Wh/268Wh capacity available**
- MPPT-Charge Controller
- LCD-Display with remaining load operation time
- Battery Management System integrated
- Single battery cell monitoring
- Low-battery warning
- System paralleling (load and panel side)
- Built in 1 year Data-Logger (standard)
- **Pay As You Go Option**



- LED Lamps
- Sunflower LED **long life lamp** >60,000h (L70)
- High performance heatsink
- Excess temperature protection dimming
- Excellent performance in high altitude and hot environments
- 280lm/420lm/560lm available
- **Constant lumen output** and constant Power during battery discharge
- **Mini Sunflower 17lm (5V and 12V Versions)**

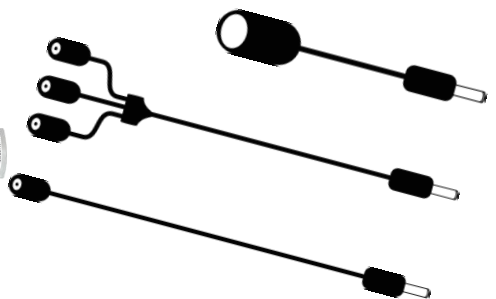
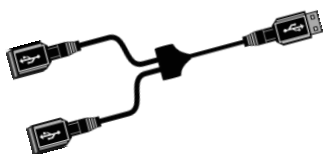


- Solar Panel, various power possible
- Standard 12V panel can be applied (any power)
- Panel mounting bracket available (option currently only for 30Wp)



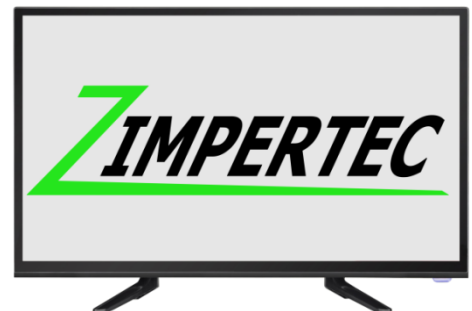
Wiring options for flexible System setup

- Extension wires
- Distribution wires
- Cigar lighter socket adapter
- USB distributor



Optional Accessories:

- TV, FM/AM rechargeable Radio
- NiMH battery charger for AA and AAA size batteries
- Laptop charger
- Radio battery adapter



Solar Home System Kit

LSX10.5-K020

4 Lamps



		Description:	Rating:		Content:	
Battery System	Litio Solar-LSX: Lithium Iron Phosphate battery system with solar charger and LCD display 1 Solar Input, 5A, higher power solar panels can be connected, device will limit power draw, several LSX can be connected to one panel; 3 pcs 12V Load Output (max. 6A), Number of outputs can be increased by load distribution wire; 1 USB charging output (max. 1.5A)		12,8V	7.0Ah	89Wh	-
				10.5Ah	134Wh	-
				14.0Ah	179Wh	1 pc
				17.5Ah	224Wh	-
				21.0Ah	268Wh	-
		Light / Load Points:	Lumen Output:		Content:	
Lighting/Load	Light:	Sunflower	2 W	280 lm		2 pc
		Equipped with 5m wire and switch		Individual full battery runtime:	90 hours	
	Light:	Sunflower	3 W	420 lm		2 pc
		Equipped with 5m wire and switch		Individual full battery runtime:	60 hours	
	Load:	Mobile Phone charging	5.00 W			1 pc
				Individual full battery runtime:	35,8 hours	
			total light point power			10,00 W
			total load power (incl. Light points)			15,00 W
			All light points lumen output:			1400 lm
			All light points run time after typical day of solar charging			17.9 hours
			All load run time after typical day of solar charging			11.9 hours
			assume solar day: 5,0 KWh/m2/day			179Wh/day
		extra Energy during day time: →			(6 Wh/day)	
		All lighting points + loads full battery runtime:			11.9 hours	
		All lighting points full battery runtime:			17.9 hours	
		Description:	Rating:		Content:	
Solar	Polycrystalline Silicon Solar Panel Equipped with 8m wire		50 Wp		1 pc	
					= 50 Wp	
		Description:	Details		Content:	
Accessory	Mobile phone adapter		USB wire, 1.5m Adapters: Nokia8210, Nokia 6101, Micro USB, Mini USB		1 pc	
	Load distribution wire		Length: 3m, 3 outputs		1 pc	
	USB distributor		2 USB output		1 pc	
	Cigar Lighter socket adapter		Length: 1m		1 pc	
Values are calculated and can variate according environment conditions						
Product Warranty: 3 years on materials and manufacturing defects						
Operation ambient temperature -20 to +50°C; All values at 25°C ambient temperature						

Solar Home System Kit LSX10.5-K020 4 Lamps

