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## SE 040W Solar System Specification

This off grid Solar System is special designed for residential lighting system, 5V consumer electronics products and outdoor lighting system, It is one high efficient, environment friendly and convenient mini power system.



### I Characteristics

1. Compact design and good visual effects.
2. Multiple 12VDC output, univisual port for 12VDC power supply fans and light bulbs.
3. Two 5VDC current output, suitable for mobile phones MP3/MP4/MP5 other digital products charge.
4. Portable design, especially suitable for residengtial,outdoor activities, fishing boats and yachts, and other mountainous areas applications.
5. Adopt MCU to manage charge and discharge process,ensure the system more reliable performance.
6. Adopt IC to manage output, ensure the protection functions of the machine.

### II Parameters

Function	Items	Parameters	Note
Temperature		-5~40°C	
Atmospheric Pressure		80 -106 Kpa	
Battery	Built-in Solar Battery, Standard Series	12V 50AH	
Dimensions	Controller Size	L x W x H: 360 x192 x250mm	
	Socket	G X 16	
Solar Input	Input Voltage	≤ 20 V	
	Input Current	≤ 2500 mA	
12VDC Output	Socket	5.5 / 2.5 mm	
	Output Voltage	≤ DC (12±2) V	
	Output Current	≤ 1000 mA	
5VDC Output	Socket	HT04 - 03 / 180 -13.7	
	Output Voltage	DC (5 - 5.5) V	
	Output Current	≈ 1500 mA	
LED	Solar Charge Process	Red Led Light Twinkling	In Charge Process
		Red Led Light	Fully Recharge
	Battery Status	One Yellow Led Twinkling	≈ 15%Ca
		One Yellow Led Light	15%<Ca≈60%
		Two Yellow Led Light	60%<Ca≈90%
Three Yellow Led Light	> 90%		
Protection	Low Voltage Disconnection	10.8 V ± 0.25 V	
	Low Voltage Reconnection	12.5 V ± 0.25 V	
	Charge Reconnection	13.6 V ± 0.2 V	
	Over Load Protection	2.8 A	5V USB
		2.5 A	12 V
	Voltage Drop	1 V	
		0.5 V	
	High Voltage Disconnection	14 -15 V	
Standby Current Consumption	< 2 mA		
System Autonomy	3 Days	5PCS 3W LED Bulb Lighting	

Remark : As required, built-in battery is optional from Economy, Premium and Supreme Series.

### III Accessories

Item	Parameters	Quantity
Solar Panel	18V 40W 2.5A	1 Pcs
LED Bulbs	12V 3W 85 LMW	5 Pcs
DC Wire With E27 LED Holder	0.75 mm <sup>2</sup> 6 Meter Length	5 Pcs
Fan	10W DC Fan With 1.2m Cable	1 Pcs
Package	Seaworthy Carton Package	1 Pcs

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