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SE 020W 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 26AH | |
| Dimensions | Controller Size | L x W x H: 270 x185 x185 mm | |
| | Socket | 5.5 / 2.1 mm | |
| Solar Input | Input Voltage | < 20 V | |
| | Input Current | < 1200 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 Yellev Led Twinkling | ≅ 15%Ca |
| | | One Yellev Led Light | 15% < Ca ≅ 60% |
| | | Two Yellev Led Light | 60% < Ca ≅ 90% |
| Three Yellev 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 | 4PCS 3W LED Bulb Lighting | |

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

III Accessories

| Item | Parameters | Quantity |
|-----------------------------|-------------------------------------|----------|
| PV Module | 18V 20W 1.25A | 1 Pcs |
| LED Bulbs | 12V 3W 85 LMW | 4 Pcs |
| DC Wire With E27 LED Holder | 0.75 mm ² 6 Meter Length | 4 Pcs |
| Package | Seaworthy Carton Package | 1 Pcs |

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