

# Instruction Manual

## Laptop Solar Backpack Charger SED-PWH-X-S01 with battery 16000mA/h

### \*Characteristics:

- 1, Oversized power supply, storage capacity is two times than notebook computer.
- 2, Streamline design, small size, light weight, easy to carry out.
- 3, Wide range of application: can support iPad / iPhone / iPod / PSP / mobile phone / mp3 / mp4 / GPS / CD player / digital camera / Laptop / Macbook and other electronic products.
- 4, Exclusive output voltage regulator functionality, stable pressure drop less than 3%, which can protect your electronic products, extend the service life.
- 5, Product temperature is low, excellent low-power path design, energy conversion efficiency higher than 92%, can up to 93.4%, the highest performance of similar products at present. When working, the temperature is low and there is no cooling fin inside. However, if there is no capacity in the laptop battery, it can support the laptop work and charge immediately.
- 6, Shell: Environmental ABS and Explosion-proof ABS and flame-retardant material, super high safety performance.
- 7, Use super-iron shell explosion-resistant extrusion, safe and reliable in the world.
- 8, Exclusive market up to 5V 9V 12V 16-19V output, 2 into four functional design.
- 9, Exclusive voltage foolproof design, you cannot switch voltage during using, resulting in voltage does not match, resulting in damage to your valuable electronic products.
- 10, Exclusive turn up to support commercially available connector.
- 11, Built-in short circuit, over charge, over discharge, etc, multiple protection.
- 12, Use of high-energy polymer lithium battery, the working environment temperature -10 °C to +70 °C, high security, no risk of explosion.
- 13, Cycle life is more than 500 times.
- 14, Sun Power Solar panel (made in USA): High-efficiency Polysilicon solar panel, conversion rate > 22%, normal life >20 years.
- 15, LED lighting features.
- 16, High-frequency mosquito repellent feature.

### \*Specifications:

- 1, Material of battery: Lithium-ion polymer: 3.7V 16000 mah
- 2, Output voltage: ( Optional ) 5/9/12/16V ( fixed ) 19V
- 3, Output current: 2A / 5V, 3A / 9-12V, 3.5A / 16-24V
- 4, Charging voltage: 100~240V AC / DC
- 5, Charging current: 2A (max)
- 6, Charging Time: < 3 hours
- 7, Electric eye dimension: 120 mm x 80 mm
- 8, Peak power supplied by photocell: 1.41 W / 1.85W
- 9, Material of electric eye mono crystalline silicon solar
- 10, High solar energy convert efficiency: higher than 16%
- 11, Sun-Power solar panel: 22% ~ 24%
- 12, Ultrasonic mosquito killer: 40~80000HZ auto frequency conversion
- 13, Available distance of mosquito killer: 100 SQFT
- 14, Flashlight: Ø10mm white LED

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### \*Structure as the picture show below:



1. Charging Indicator light: Charging=Red, Full=Green
2. Laptop Charger output voltage: working voltage 19V, current 3.5A
3. Battery capacity indicator: >80% in green, >15% in red, <5% red flashing
4. Adjustable Output Voltage: 5V/ 9V/ 12V/ 16V
5. Solar charging input: You can add solar power to recharge
6. LED flashlight: white, brightness: Ø10MM
7. Charge input: DC charge/car charger, input voltage must be 18V/ 2A

**\*Features:**

- 1, Size: 140mm X 90mm X 20mm
- 2, Capacity: 16000mAh(60W/h)
- 3, Output voltage(V): 5V/9V/12V/16V (optional), 19V( fixed)
- 4, Output current(A): 2A (5V), 3A (9/12 V), 3.5A (16~24V),
- 5, Input voltage(V): 18V
- 6, Input current(A): 2A
- 7, Charge time: < 3 hours.
- 8, Circuit protection: Over input/ output. Short-circuit protection/ heat protection.
- 9, Automatic function: Double-click to chose the voltage when charge cable plug in the output port, gearshift function locked
- 10, Working temperature: Output – 10~70□, Input– 10~65□.
- 11, Storage temperature: – 10~45□
- 12, Battery life: After 500 times charge/discharge, capacity ≥ 75%.

**\*Usage:**

- 1, Start: Long press the Master Switch(12) for about 4 seconds , automatically start the self-test program, the voltage indicator light flashes one by one, one second enter the working state.
- 2, Voltage regulator: Double-click the Master Switch (12) (double-click the switch like double-click the computer mouse), the voltage loop in the order of low - high - low – high". According the input voltage of the electric devices (like laptop, mobile phone) choose the right voltage. When the charging switch cable plugging, the charging start and the gearshift be locked .Pull out the charging cable, the gearshift activation, the voltage can be changed
- 3, Off: Long press the Master Switch for about 4 seconds.
- 4, Charge: Pease use the Adapter in the standard accessories. when the Charging Indicator Light (1) turn into green, the battery is full
- 5, Flashlight switches: toggle function switch "8", switch flashlight.
- 6, Frequency mosquito drive mouse: toggle function "9", there is a slight sound.
- 7, Automatic shutdown: Power off automatically after five hours with power.
- 8, When solar energy work, the panel on the red light.
- 9, Battery capacity indicator light: >80% in green, < 15% in red, <5% red flashing
- 10, When the solar panel is working, the icon 13 will be in red

**\*Note:** Please not place it in water, fog and moist environment. Can not be placed in a place which is higher than 75°C environment for a long time. If a long time do not use, it is recommended every 3-5 months on a single charge.

**Accessories:**



**Optional accessories:**



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