

SYMIK PSCPM

SYMIK PSC Pro Max 225W Power Source and 140W Charger for Ryobi 18V Battery User Manual

Model: PSCPM

1. INTRODUCTION

The SYMIK PSC Pro Max is an intelligent input and output device designed for use with all Ryobi 18V Lithium-Ion batteries. It functions as both a 140W charger for your Ryobi batteries and a 225W portable power source for various electronic devices. Featuring an OLED screen for real-time data, multiple USB ports (2 USB-C, 1 USB-A), and an integrated LED task light, this unit offers versatile power management for your tools and personal electronics.

What's in the Box:

- 1 x SYMIK PSC Pro Max Controller

2. SAFETY INFORMATION

Please read and understand all safety instructions before using the SYMIK PSC Pro Max. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Battery Compatibility:** This device is exclusively designed for Ryobi 18V Lithium-Ion batteries. Do not attempt to use it with Ni-Cd or Ni-MH batteries, as this may cause damage to the device or battery.
- **Charging Adapter:** For optimal 140W charging, use a 140W+ PD 3.0/3.1 Power Adapter (not included) and a USB-C cable that supports 140W power (not included). The device's default charging power is limited to 100W for battery longevity; adjust to 140W in the settings menu if desired.
- **Environmental Conditions:** Operate the device within an ambient temperature range of 5°C to 40°C (41°F to 104°F). Avoid exposure to moisture, rain, or extreme temperatures.
- **Protection Features:** The SYMIK PSC Pro Max is engineered to follow OEM charging specifications and includes multiple protection features: Over Current, Over Voltage, Over Power, Short Circuit, Over Charge, Over Discharge, Over Temperature, and Fire Resistant Protection. These features help prevent damage to your battery and the device.

- **Ventilation:** Ensure adequate ventilation during operation to prevent overheating.

Precisely Engineered to Follow OEM Charging Specs

Does Not harm your battery in any way



Image: The SYMIK PSC Pro Max highlighting its integrated safety features, including over current, over voltage, over power, short circuit, over charge, over discharge, over temperature, and fire resistant protection.

3. PRODUCT FEATURES

The SYMIK PSC Pro Max combines advanced technology with user-friendly design to provide a robust power solution.

3.1 Design and Display

Spacecrafts and Drones Inspired Cyber Punk Style Clear Shell

Shows all the circuits and craftsmanship for curiosity satisfaction



Crispy OLED Shows all the Charging, Discharging & LED Light Data



Ergonomic Shape for Natural Hand Hold

140W Charger
225W Power Source

Image: The SYMIK PSC Pro Max showcasing its clear shell design, revealing internal circuits, and an OLED screen displaying charging and discharging data. An ergonomic hand-hold illustration is also present.

- **Clear Shell Design:** The transparent casing allows visibility of the internal circuits, reflecting a modern, technical aesthetic.
- **OLED Screen:** A crisp OLED display provides real-time information on charging status, discharging power, and LED light data.
- **Ergonomic Shape:** Designed for a comfortable grip, complementing the attached Ryobi battery.

3.2 Power Capabilities

- **140W Multifunctional Charging Port (USB-C1):** This port supports two charging modes for Ryobi 18V Lithium-Ion batteries: 100W (5V 3A - 20V 5A) and 140W (5V 3A - 28V 5A).

- **225W Power Source:** The device offers a combined maximum output of 225W across its three output ports.

3.3 Ports and LED Light

- **USB-C1 Port:** Input/Output, up to 140W Max.
- **USB-C2 Port:** Output only, up to 45W Max (5V 3A - 15V 3A).
- **USB-A Port:** Output only, up to 40W Max (5V 3A - 10V 4A).
- **LED Task Light:** A 1W LED light with 1-100% brightness adjustment in constant mode, and various strobe light modes including an SOS distress mode.

PSC Model Comparison			
Specs \ Model Name	PSC	PSC Pro	PSC Pro Max
0.96" OLED Screen	✓	✓	✓
Max Total Output Power	145W	145W	225W
USB-C1 Power	100W	100W	140W
USB-C2 Power	45W	45W	45W
USB-A Power	18W	18W	40W
USB-C2/USB-A Used At the Same Time	15W+15W	15W+15W	45W+40W
3D Menu Switch	✗	✓	✓
Menu Adjust	Use the 2 Buttons	Dedicated 3D Menu Switch	Dedicated 3D Menu Switch
LED Brightness Adjust	10% interval	1% interval	1% interval
USB-C1 Power Level Adjust	65W/100W	30W/45W/65W/100W	30W/45W/65W/100W/140W
Charge Current Limit Adjust	Fixed 9.7A	1.0A-9.7A Adjustable	1.0A-9.7A Adjustable
Thermal Management	80% length PCB for lower cost	100% length PCB for better thermal management	100% length PCB for better thermal management
Auxiliary Power Circuit	Shared with LED light power circuit	Dedicated auxiliary power circuit for 0.8% efficiency boost	Dedicated auxiliary power circuit for 0.8% efficiency boost

Image: A comparison table detailing the specifications and features across the SYMIK PSC, PSC Pro, and PSC Pro Max models, highlighting total output power, USB port capabilities, menu adjustment, LED brightness, and thermal management.

4. SETUP

4.1 Attaching a Ryobi 18V Battery

1. Align the SYMIK PSC Pro Max with the battery slot on your Ryobi 18V Lithium-Ion battery.
2. Slide the PSC Pro Max onto the battery until it clicks securely into place. Ensure a firm connection.



Compatible with All ryobi Lithium-Ion Batteries



Image: A detailed diagram of the SYMIK PSC Pro Max, labeling its 3D Menu Switch, OLED Screen, Power Button, LED Light Button, USB-C1 Port, LED Light, USB-C2 Port, and USB-A Port. Below, various compatible Ryobi 18V Lithium-Ion batteries are shown.

5. OPERATING INSTRUCTIONS

5.1 Charging Ryobi Batteries (140W Max Input)

1. Attach a Ryobi 18V Lithium-Ion battery to the SYMIK PSC Pro Max.
2. Connect a compatible USB-C cable to the USB-C1 port on the PSC Pro Max.
3. Connect the other end of the USB-C cable to a 140W+ PD 3.0/3.1 power adapter (not included).
4. The OLED screen will display charging status, including input wattage.
5. To enable 140W charging, navigate through the menu using the 3D Menu Switch and adjust the charge current limit setting. The default is 100W for battery longevity.

Charges Ryobi Batteries at 140W

Use as a 140W* super fast charger for all your ryobi 18V batteries

140W

PD 3.1

And the OLED Shows You How Fast it is Charging!!!

SYMIK PSC Pro Max

*When used together with a 140W+ PD 3.0/3.1 Power Adapter (NOT included) and a USB-C cable which supports 140W power (NOT included). Also requires the user to set it to 140W mode and 140W charging power in the settings menu, the charger by default is limited to 100W for longevity of your batteries

Image: The SYMIK PSC Pro Max connected to a Ryobi 18V battery, illustrating its capability to charge the battery at 140W via

a USB-C PD 3.1 connection. The OLED screen shows charging details.

5.2 Using as a 225W Power Source (Output)

1. Ensure a charged Ryobi 18V Lithium-Ion battery is attached to the SYMIK PSC Pro Max.
2. Connect your electronic devices (laptops, tablets, smartphones, etc.) to the available output ports:
 - **USB-C1:** Up to 140W Max (Input/Output).
 - **USB-C2:** Up to 45W Max (Output only).
 - **USB-A:** Up to 40W Max (Output only).
3. The OLED screen will display the output wattage and battery status.

Convert Your ryobi 18V Battery to be a **225W** SUPER Power Bank

Comes with 2 USB-C Ports and 1 USB-A Port

USB-C1
140W Max
Input / Output

USB-C2
45W Max
Output Only

USB-A
40W Max
Output Only

Port	Voltage (V)	Current (A)	Power (W)
Battery	19.8V	-	140W PB
USB-C1	28.2V	4.8A	135W
USB-C2	15.0V	2.9A	44.5W

Image: The SYMIK PSC Pro Max connected to a Ryobi 18V battery, functioning as a 225W super power bank. It is shown simultaneously charging a laptop via USB-C1 (140W Max) and a tablet via USB-C2 (45W Max), with an additional USB-A port (40W Max) available.

5.3 LED Task Light Operation

1. Press the LED Light Button to cycle through light modes.
2. **Constant Mode:** Adjust brightness from 1% to 100% using the 3D Menu Switch.
3. **Strobe Light Mode:** Includes various strobe patterns and an SOS distress mode.

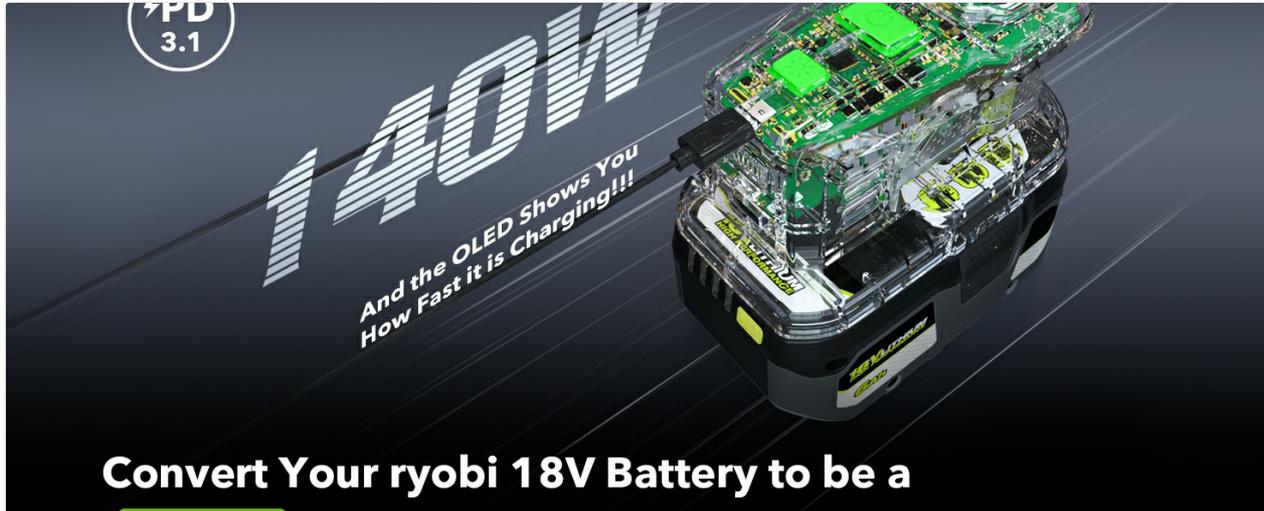


Image: The SYMIK PSC Pro Max with its LED task light illuminated, demonstrating adjustable brightness levels (50%, 75%, 100%) in constant mode and various strobe light modes, including an SOS distress mode.

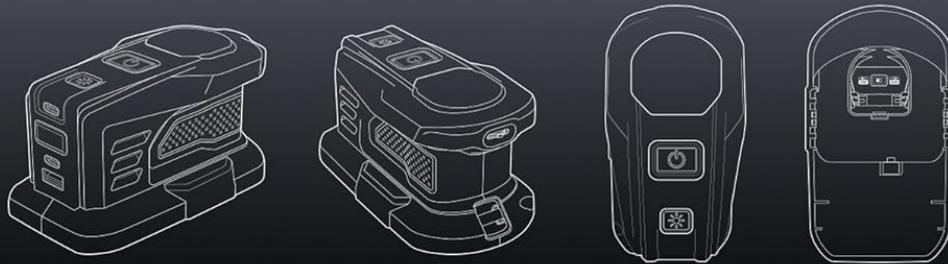
5.4 OLED Screen Navigation

The OLED screen provides critical information. Use the 3D Menu Switch to navigate through settings and view different data points such as input/output wattage, voltage, current, and battery percentage.

6. SPECIFICATIONS

PSC Pro Max Product Specifications

USB-C1 Input /Output: 100W Mode: 5V, 9V, 12V, 15V 3A; 20V 5A 140W Mode: 5V, 9V, 12V, 15V 3A; 20V, 28V 5A	USB-C2 Output: 5V 3A; 9V 3A; 12V 3A; 15V 3A USB-A Output: 5V 3A; 9V 2A; 12V 1.5A, 10V 4A
Enclosure Material: Fire Resistant PC Shell	USB-C1 Input (Charger Mode)  140W* Max
Operating Ambient Temperature: 5° to 40° C (41° to 104° F)	Single-Port Output (Power Source Mode)  140W* Max  45W Max  40W Max
LED light: 1W with 1-100% brightness adjustable in constant mode	Two-Port Output (Power Source Mode)   140W*+45W Max   45W+40W Max   140W*+40W Max
Applicable Battery Type: Lithium-Ion Battery ONLY; Not Ni-Cd / Ni-MH Batteries	Three-Port Output (Power Source Mode)  140W* Max  45W Max  40W Max Total 225W



*When used together with a 140W+ PD 3.0/3.1 Power Adapter (NOT included) and a USB-C cable which supports 140W power (NOT included). Also requires the user to set it to 140W mode and 140W charging power in the settings menu, the charger by default is limited to 100W for longevity of your batteries

Image: A table detailing the SYMIK PSC Pro Max product specifications, including USB-C1 input/output modes, USB-C2 output, USB-A output, enclosure material, operating ambient temperature, LED light details, and applicable battery types.

Feature	Specification
Model Name	PSC Pro Max
Product Dimensions	5.31 x 2.95 x 3.07 inches
Item Weight	8.8 ounces
Enclosure Material	Fire Resistant PC Shell

Operating Ambient Temperature	5° to 40°C (41° to 104°F)
Applicable Battery Type	Lithium-Ion Battery ONLY; Not Ni-Cd / Ni-MH Batteries
USB-C1 Input/Output	100W Mode: 5V 3A, 9V 3A, 12V 3A, 15V 3A, 20V 5A 140W Mode: 5V 3A, 9V 3A, 12V 3A, 15V 3A, 20V 5A, 28V 5A
USB-C2 Output	5V 3A, 9V 3A, 12V 3A, 15V 3A (45W Max)
USB-A Output	5V 3A, 9V 2A, 12V 1.5A, 10V 4A (40W Max)
Total Max Output	225W (USB-C1 140W + USB-C2 45W + USB-A 40W)
LED Light	1W with 1-100% brightness adjustable in constant mode

7. TROUBLESHOOTING

If you encounter issues with your SYMIK PSC Pro Max, please refer to the following common solutions:

- **Device Not Powering On:** Ensure the Ryobi 18V battery is fully charged and securely attached to the PSC Pro Max.
- **Slow Charging of Ryobi Battery:** Verify that your USB-C power adapter and cable support the desired wattage (e.g., 140W). Check the device's settings via the OLED screen to ensure the charge current limit is set appropriately.
- **Devices Not Charging from Output Ports:** Confirm that the Ryobi battery attached to the PSC Pro Max has sufficient charge. Ensure your connected devices are compatible with the USB output specifications (voltage/current).
- **OLED Screen Not Displaying Correctly:** Detach and reattach the Ryobi battery. If the issue persists, contact customer support.
- **LED Light Not Functioning:** Check the battery charge level. Press the LED Light Button to cycle through modes.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your SYMIK PSC Pro Max.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use harsh chemicals or abrasive cleaners. Ensure no moisture enters the ports or internal components.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. When storing for extended periods, detach the Ryobi battery.
- **Handling:** While durable, avoid dropping the device or subjecting it to severe impacts, as this may damage internal components or the clear casing.

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any questions regarding your SYMIK PSC Pro Max, please refer to the official SYMIK website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

You can visit the SYMIK store for more information:[SYMIK Official Store](#)