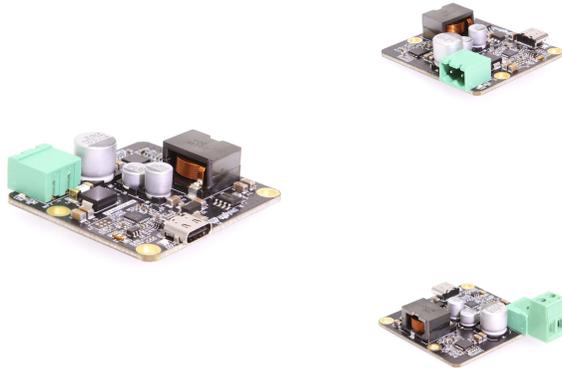


Technical Data Sheet Rev 06-250610

# ChargeIT! Mini 82W USB Type-C PD Charger PCBA w/ 24~48V DC Input

Model Number: CG-PDHV82W-PCBA



## Features

- USB Type-C PD with PD 3.0 support
- Input Voltage Range of 24 ~ 48V DC
- Utilizes CCG3PA and SIC461 BUCK
- PD Profiles: 5V-3A, 9V-3A, 12V-3A, 15V-3A, 20V-4.2A
- Supports PD 3.0, QC 4.0/4.0, QC 3.0/2.0, AFC, Apple charging and BC 1.2 on Type-C port

## Package Contents

- 2-Pin Terminal Block
- Charger - Board Only

## Specifications

### PRODUCT TERMS

<b>Product Terms</b>	NOTICE: Coolgear strongly recommends purchasing one to two (1–2) units for initial evaluation. This product is intended for integration, evaluation, and testing purposes only, to assess its suitability and identify potential modifications for a specific use case. It is not designed for single-use scenarios. Before integrating this product into your project or placing a large-quantity order, please contact Coolgear to discuss your project requirements. For more details, refer to the Development Product Terms below.
<b>Product Terms URL</b>	<a href="https://www.coolgear.com/wp-content/uploads/2023/10/Coolgear_DEV_Product_Terms.pdf">https://www.coolgear.com/wp-content/uploads/2023/10/Coolgear_DEV_Product_Terms.pdf</a>

### OVERVIEW

<b>Model No</b>	CG-PDHV82W-PCBA	<b>Product Type</b>	USB Chargers
<b>UPC</b>	045079163782	<b>Country of Origin</b>	China
<b>LED indicators</b>	Port Status   Power	<b>Chipset</b>	Cypress CCG3PA
<b>Electrical Protections</b>	15KV Surge Protection		

### PHYSICAL

<b>Ship Weight (lbs)</b>	0.04 lbs	<b>Ship Weight (kg)</b>	0.02 kg
<b>Item Weight</b>	0.0375 lbs	<b>Length</b>	1.93 inches
<b>Width</b>	1.78 inches	<b>Height</b>	0.52 inches

Specifications Cont.

**CONNECTIONS**

<b>USB Specification</b>	Charging Only
<b>Maximum Data Rate</b>	N/A
<b>Downstream Port Count</b>	1
<b>Downstream Port Type</b>	1x Type C (Charging)
<b>Works as Standalone Charger</b>	Y - Can be used without Host
<b>Can be Bus Powered</b>	N - External Power Required

**POWER**

<b>Input Voltage</b>	24~48V DC
<b>Min Input Voltage</b>	22V
<b>Max Input Voltage</b>	55V
<b>Power Connector</b>	Phoenix 2-pin
<b>Idle Power Draw</b>	6 mA @ 24v Terminal Power
<b>Max Power Draw</b>	82W
<b>Max Per Port Draw</b>	4.2A @ 20V (82W) w/ eMarker cable, 3A @ 20V (60w) w/ Standard Cable
<b>Supported Charge Protocols</b>	Apple Charge 2.4A   BC 1.2   DCP   PD   QC 3.0 / 2.0

**ENVIRONMENTAL**

<b>Operating Temperature</b>	0C ~ 55C
<b>Storage Temperature</b>	-20C ~ 75C
<b>Operating Humidity</b>	5% to 95% RH

**OS SUPPORT**

<b>Supported Operating Systems</b>	OS independent - No software or drivers required
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**WARRANTY**

<b>Warranty Period</b>	1 Year
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**PRODUCT URL**

<b>Product Page</b>	<a href="https://www.coolgear.com/product/chargeit-mini-82w-usb-type-c-pd-charger-pcba-w-2448v-dc-input">https://www.coolgear.com/product/chargeit-mini-82w-usb-type-c-pd-charger-pcba-w-2448v-dc-input</a>
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USB CHARGING & CONNECTIVITY EXPERTS



# We Speak Your Speak

When you reach out to Coolgear support, you'll find yourself in the hands of a solution-oriented and knowledgeable expert ready to answer whatever question you throw at them. Go ahead, test us.

[Visit Support](#)