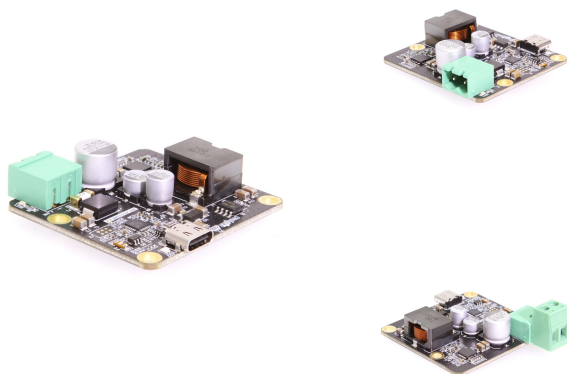


Technical Data Sheet Rev 06-250610

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

Product Terms	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.
Product Terms URL	https://www.coolgear.com/wp-content/uploads/2023/10/Coolgear_DEV_Product_Terms.pdf

OVERVIEW

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

PHYSICAL

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

Specifications Cont.

CONNECTIONS

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

POWER

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

ENVIRONMENTAL

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

OS SUPPORT

Supported Operating Systems	OS independent - No software or drivers required
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WARRANTY

Warranty Period	1 Year
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PRODUCT URL

Product Page	https://www.coolgear.com/product/chargeit-mini-82w-usb-type-c-pd-charger-pcba-w-2448v-dc-input
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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.

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