Coolgear, Inc.
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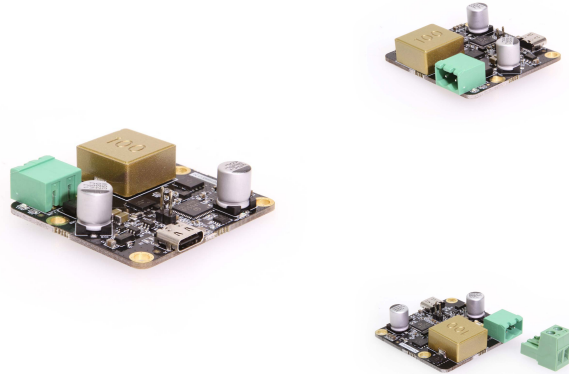**F:** +1-727-209-1302
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Technical Data Sheet Rev 06-250610

ChargeIT! 100 Watt USB Type C Charging Board
Model Number: **CG-PDC100W-PCBA**

Features

- USB type C 100-Watt Capable with PPS Buck-Boost with variable 12-24V input
- Support 5V/9V/12V/15V/20V output
- PD Voltage Profiles: 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3A, 20V/5A
- Supports PD2.0/PD3.0 protocol
- Supports E-MARK cable

Package Contents

- 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-PDC100W-PCBA	**Product Type**	USB Chargers
UPC	045079163591	**Country of Origin**	China
LED indicators	None or N/A	**Chipset**	IP6559
Electrical Protections	N/A		

PHYSICAL

Ship Weight (lbs)	0.04 lbs	**Ship Weight (kg)**	0.02 kg
Item Weight	0.056 lbs	**Length**	1.93 inches
Width	1.78 inches	**Height**	0.52 inches

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Specifications Cont.

CONNECTIONS

USB Specification	Charging Only
Maximum Data Rate	N/A
Downstream Port Count	2
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
Bus Power Isolation	N

POWER

Input Voltage	12 ~ 24V DC
Idle Power Draw	5 mA @ 12V Terminal Power
Max Power Draw	100W
Max Per Port Draw	100W
Supported Charge Protocols	BC 1.2 | PD | QC 4.0 / 3.0 / 2.0
Charging Details	5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3A, 20V/5A

OS SUPPORT

Supported Operating Systems	OS independent - No software or drivers required

WARRANTY

Warranty Period	1 Year

PRODUCT URL

Product Page	https://www.coolgear.com/product/chargeit-100-watt-usb-type-c-charging-board