

Technical Data Sheet Rev 05.220909

# 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

### OVERVIEW

Model No	CG-PDC100W-PCBA
Product Type	USB Chargers
Compliance	None or N/A
UPC	045079163591
Country of Origin	China
LED indicators	None or N/A
Chipset	IP6559

### 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
Material	N/A
Color	Red
Mountable	Bare PCB

## 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 Supports Disabling Bus Power	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

### ENVIRONMENTAL

Operating Temperature	0C ~ 60C
Storage Temperature	-20C ~ 70C
Operating Humidity	15 ~ 85% 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

CG-PDC100W-PCBA Product Page	<a href="https://www.coolgear.com/product/chargeit-100-watt-usb-type-c-charging-board">https://www.coolgear.com/product/chargeit-100-watt-usb-type-c-charging-board</a>
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