

Technical Data Sheet Rev 05.220909

# ChargeIT! 65 Watt USB Type C Charging Board w/ PPS Charging Support

Model Number: CG-PDC65W-PCBA



## Features

- USB type C 65-Watt Capable with PPS Buck-Boost with variable 9-24V input
- Support 5V/9V/12V/15V/20V output
- PD Voltage Profiles: 5V-3A / 9V-3A / 12V -3A / 15V - 3A/ 20V -3.25A
- Supports PD3.0(PPS) protocol
- Programmable Power Supply PDOs supported

## Package Contents

- Hub - Board Only

## Specifications

### OVERVIEW

|                   |                |
|-------------------|----------------|
| Model No          | CG-PDC65W-PCBA |
| Product Type      | USB Chargers   |
| Compliance        | None or N/A    |
| UPC               | 045079163607   |
| 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       | 0.0375 lbs  |
| Length            | 1.93 inches |
| Width             | 1.78 inches |
| Height            | 0.52 inches |
| Material          | N/A         |
| Color             | Green       |
| Mountable         | Bare PCB    |

## 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                        | 12 ~ 24V DC                                 |
| Min Input Voltage                    | 9V DC                                       |
| Max Input Voltage<br>(DO NOT EXCEED) | 28V DC                                      |
| Power Connector                      | Phoenix 2-pin                               |
| Idle Power Draw                      | 5 mA @ 12V Terminal Power                   |
| Max Power Draw                       | 65W   |
| Max Per Port Draw                    | 65W   |
| Supported Charge Protocols           | BC 1.2   PD   PPS   QC 4.0 / 3.0 / 2.0      |
| Charging Details                     | 5V-3A   9V-3A   12V-3A   15V-3A   20V-3.25A |

### 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 |
|-----------------------------|--|

### WARRANTY

|                 |        |
|-----------------|--------|
| Warranty Period | 1 Year |
|-----------------|--------|

### PRODUCT URL

|                             |   |
|-----------------------------|---|
| CG-PDC65W-PCBA Product Page | <a href="https://www.coolgear.com/product/chargeit-65-watt-usb-type-c-charging-board-w-pps-charging-support">https://www.coolgear.com/product/chargeit-65-watt-usb-type-c-charging-board-w-pps-charging-support</a> |
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