

## C-PBUSBC45W

MSA Compliant 45W 20V at 2.25A USB-C Laptop Power Adapter and Cable

### Features

- USB 3.1 (C) to NEMA 5-15P
- Output Power: 45W
- Output Voltage: 20V
- Output Current: 2.25A
- Color: Black
- Operating Temperature: 0°C to 40°C



### Product Description

This is an MSA Compliant 45W 20V at 2.25A USB-C laptop power adapter specifically designed for most notebooks with a USB-C power connector. Our power adapters are 100% tested and compatible with the intended systems.

### Specifications

| Parameter          | Specification             |
|--------------------|---------------------------|
| Amps               | 2.25A                     |
| Connector 1        | USB 3.1 (C)               |
| Connector 1 Gender | Male                      |
| Connector 2        | NEMA 5-15P                |
| Connector 2 Gender | Male                      |
| Family Type        | Laptop Power Adapter      |
| Tip Size           | USB-C                     |
| Type               | USB 3.1 (C) to NEMA 5-15P |
| Volts              | 20V                       |
| Watts              | 45W                       |

| Input Characteristics                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| AC input voltage rating:                                                                                                                                                                                                                                                                                                                                                                                                    | 100VAC to 240VAC                                                          |
| AC Variation Range                                                                                                                                                                                                                                                                                                                                                                                                          | 90VAC to 265VAC                                                           |
| AC input frequency:                                                                                                                                                                                                                                                                                                                                                                                                         | 50/60Hz                                                                   |
| Variation Frequency                                                                                                                                                                                                                                                                                                                                                                                                         | 47/63Hz                                                                   |
| Input current                                                                                                                                                                                                                                                                                                                                                                                                               | 1.2A max                                                                  |
| Efficiency                                                                                                                                                                                                                                                                                                                                                                                                                  | More than 83% (at 100V/240VAC/50Hz input with full load)                  |
| Standby power                                                                                                                                                                                                                                                                                                                                                                                                               | <1W                                                                       |
| Output Characteristics                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                           |
| Output Power                                                                                                                                                                                                                                                                                                                                                                                                                | 45W                                                                       |
| Output Voltage                                                                                                                                                                                                                                                                                                                                                                                                              | 20V/15V/9V/5V                                                             |
| Output Current                                                                                                                                                                                                                                                                                                                                                                                                              | 2.25A, 3A (5V to 15V)                                                     |
| Tip Size                                                                                                                                                                                                                                                                                                                                                                                                                    | Type C                                                                    |
| Turn On Delay Time                                                                                                                                                                                                                                                                                                                                                                                                          | 10-second maximum at 110VAC input and output maximum load                 |
| Rise time                                                                                                                                                                                                                                                                                                                                                                                                                   | 40ms maximum at 110VAC input and output maximum load                      |
| Hold Up Time                                                                                                                                                                                                                                                                                                                                                                                                                | 10mS minimum At 110VAC input and output maximum load                      |
| Protection Features                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                           |
| Short Circuit Protection                                                                                                                                                                                                                                                                                                                                                                                                    | The power supply will be auto-recovered when short circuit faults removed |
| Over Current Protection                                                                                                                                                                                                                                                                                                                                                                                                     | The power supply will be auto-recovered when faults removed               |
| Over Voltage Protection                                                                                                                                                                                                                                                                                                                                                                                                     | The power supply will not be auto-recovered until faults removed          |
| Environmental Conditions                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                           |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                       | 0°C to 40°C, full load, normal operation                                  |
| Storage Temperature                                                                                                                                                                                                                                                                                                                                                                                                         | -20°C to 55°C                                                             |
| Relative Humidity                                                                                                                                                                                                                                                                                                                                                                                                           | 5% (0°C) to 90% (40°C) RH, 70Hrs, full load, normal operating             |
| Test Procedures                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                           |
| No-load output voltage test - Input power load test - No-load output ripple test - Full load open test - Full load output voltage test -Full load output ripple test-Full load input power test-Half load output voltage test-Half load output ripple test-Over load test-Over current protection test-Short circuit protection test-High voltage test- Burn in test- Turn on delay time test-Rise time test-Hold time test |                                                                           |

## About ProLabs

Our experience comes as standard; for over 15 years ProLabs has delivered optical connectivity solutions that give our customers freedom and choice through our ability to provide seamless interoperability. At the heart of our company is the ability to provide state-of-the-art optical transport and connectivity solutions that are compatible with over 90 optical switching and transport platforms.

## Complete Portfolio of Network Solutions

ProLabs is focused on innovations in optical transport and connectivity. The combination of our knowledge of optics and networking equipment enables ProLabs to be your single source for optical transport and connectivity solutions from 100Mb to 400G while providing innovative solutions that increase network efficiency. We provide the optical connectivity expertise that is compatible with and enhances your switching and transport equipment.

## Trusted Partner

Customer service is our number one value. ProLabs has invested in people, labs and manufacturing capacity to ensure that you get immediate answers to your questions and compatible product when needed. With Engineering and Manufacturing offices in the U.K. and U.S. augmented by field offices throughout the U.S., U.K. and Asia, ProLabs is able to be our customers best advocate 24 hours a day.



## Contact Information

ProLabs US

Email: [sales@prolabs.com](mailto:sales@prolabs.com)

Telephone: 952-852-0252

ProLabs UK

Email: [salesupport@prolabs.com](mailto:salesupport@prolabs.com)

Telephone: +44 1285 719 600