

# UCS Series 7 450V Capacitor Design Kit

## Product Overview

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For the most up-to-date information, visit [www.mouser.com](http://www.mouser.com) or the supplier's website.

## Description

Nichicon UCS Series 7 450V Capacitor Design Kit include high-voltage UCS Aluminum Electrolytic Capacitor for micro/mini inverters. This design kit offers a voltage range of up to 450V and capacitance range of 6.8 $\mu$ F to 68 $\mu$ F. The 450V capacitor design kit are miniature in size and feature high ripple current, high reliability, long load life of 8000 to 10,000 hours at 105°C and is RoHS compliant. This design kit is suitable for energy harvesting applications such as solar and wind.



## Features

- Up to 450V voltage range
- 6.8 $\mu$ F to 68 $\mu$ F capacitance range
- Miniature size
- High ripple current
- High reliability
- Long load life of 8000 to 10,000 hours at 105°C
- -40°C to 105°C operating temperature range
- RoHS compliant

## Kit Contents

- [UCS2W6R8MPD Capacitor](#) (6.8 $\mu$ F)
- [UCS2W100MHD Capacitor](#) (10 $\mu$ F)
- [UCS2W150MHD Capacitor](#) (15 $\mu$ F)
- [UCS2W220MHD Capacitor](#) (22 $\mu$ F)
- [UCS2W330MHD Capacitor](#) (33 $\mu$ F)
- [UCS2W470MHD Capacitor](#) (47 $\mu$ F)
- [UCS2G680MHD Capacitor](#) (68 $\mu$ F)

## Mouser Part Number(s)

[View Part Numbers](#)

To learn more, visit <https://www.mouser.com/new/nichicon/nichicon-ucs-design-kits/>