

Supercapacitors (Electric Double Layer Capacitors – EDLCs)

How Supercapacitors can Help you with Energy Storage

Design-In Steps

1st Step

Identify the mode of operation for the discharge process.



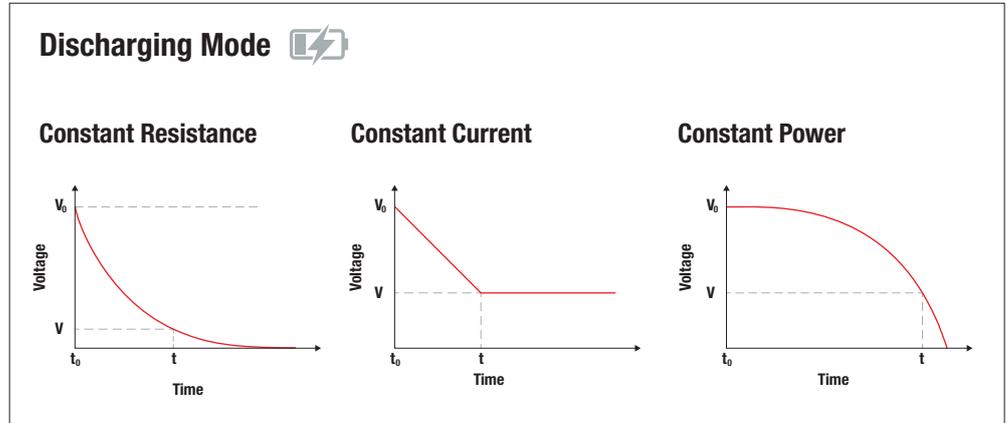
2nd Step

Calculate the necessary capacitance depending on the desired operation parameters such as operation time, output power and output current.



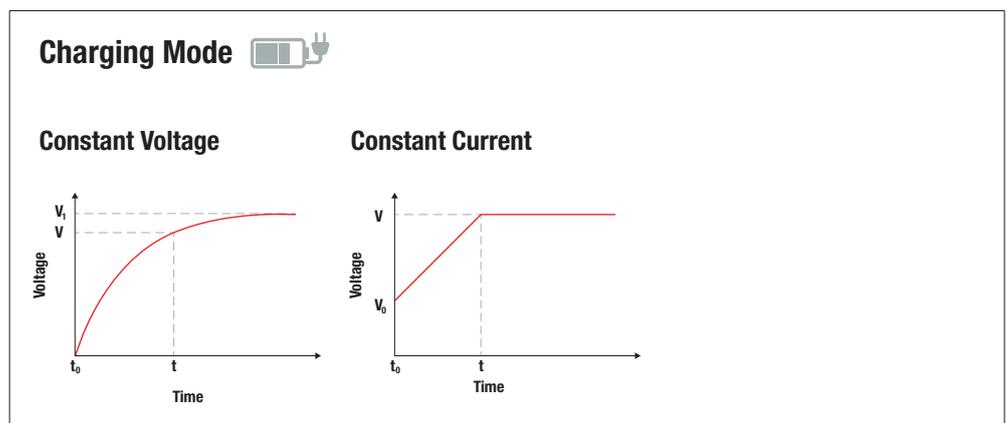
3rd Step

Identify the suitable charging process and calculate the charging time depending on the charging current.



Supercapacitor (EDLC)

- Main device parameters are rated voltage and capacitance
- EDLCs are low voltage devices
- No constant voltage source



Capacitors



This page is only a visualization of the Design-In steps. Please use our Support Note for a more detailed Design In process: www.we-online.com/sn009