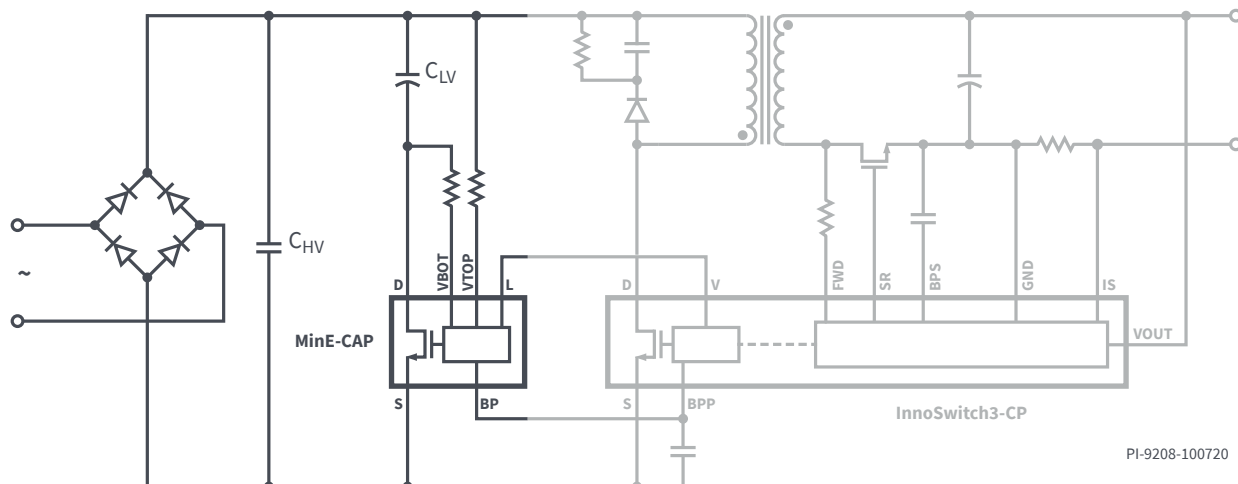


MinE-CAP

- Reduces adapter size by up to 40% by halving the size of the high-voltage bulk electrolytic capacitors (E-CAPs)
- Eliminates inrush NTC
- Significantly reduces i^2t stress on the input bridge rectifier and fuse
- Partners with the InnoSwitch IC family for lowest component count, ultra-compact AC-DC converters

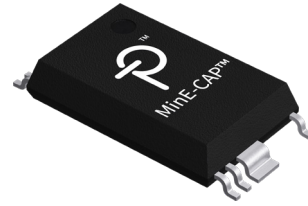


Bulk Capacitor Miniaturization and Inrush Management IC for Very High Power Density AC-DC Converters



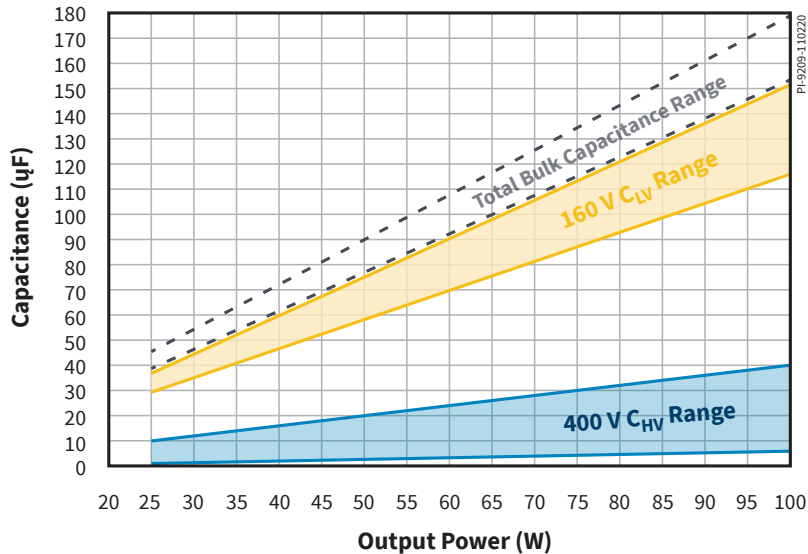
Applications

- High power density, universal input AC-DC converters
- Applications with very wide input range (90-350+ VAC)



MinSOP-16A Package

Typical Component Value Ranges for Optimal Space Saving and Converter Operation



The input E-CAPs are arranged with a small high-voltage capacitor (C_{HV} typically 400 V) in parallel with a low-voltage capacitor (C_{LV} typically 160 V) connected in series with the MinE-CAP IC.

Design Support

Data Sheet	MinE-CAP data sheet (www.power.com/mine-cap-data-sheet)
Design Example	65 W USB PD / PPS slim adapter using INN3370C-H302 (DER-626) (www.power.com/der-626)
Design Example	60 W USB PD / PPS compact adapter using INN3379C-H302 (DER-822) (www.power.com/der-822)