



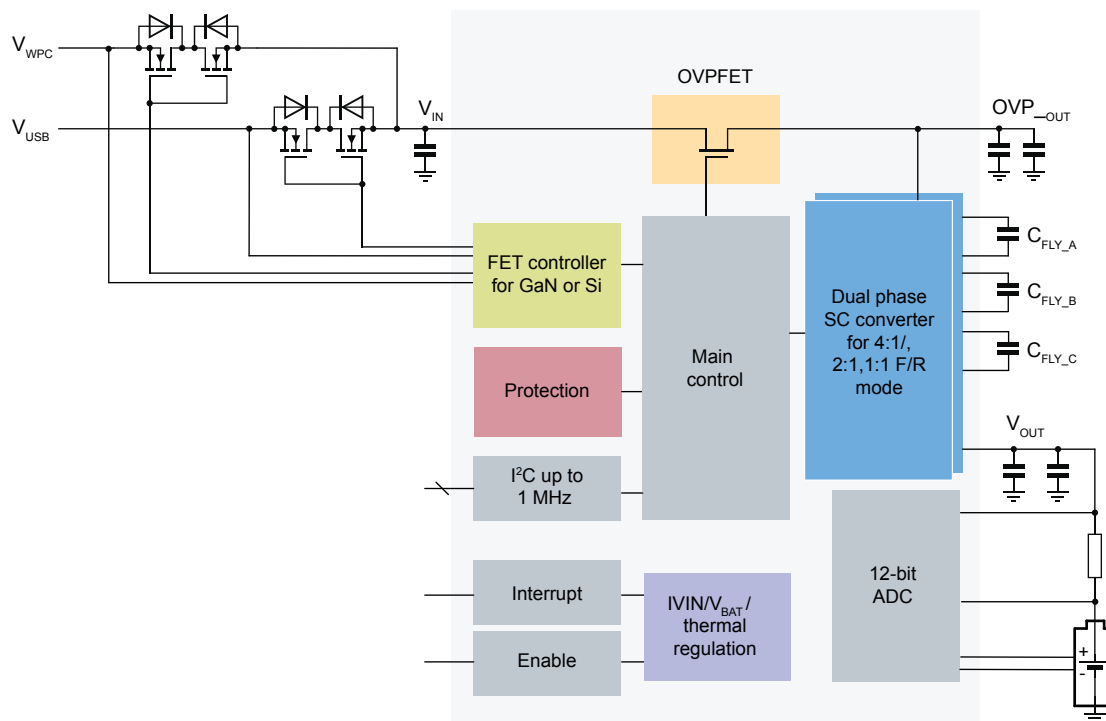
# 13 A 4:1 Switched Capacitor Charger for Single Cell Battery

## PCA9485UK

Last Updated: Dec 17, 2024

The PCA9485UK is a highly-integrated switched-capacitor converter with an embedded OVPFET and dual external FET controls, targeted to provide the quadruple output current for the fast-charging applications with a 1-cell battery. The device works in 4:1 switching operation with a very high efficiency (around 96.8%, at  $V_{OUT}=4.5\text{ V}$ ,  $I_{VOUT}=8\text{ A}$ ) in 2:1 and 1:2 switching operation or in 1:1 mode with forward and reverse direction.

## PCA9485UK Block Diagram



View additional information for [13 A 4:1 Switched Capacitor Charger for Single Cell Battery](#).

**Note:** The information on this document is subject to change without notice.

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