



# GreenChip Synchronous Rectifier Controller

## TEA1993TS

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The TEA1993TS is a member of a new generation of Synchronous Rectifier (SR) controller ICs for switched mode power supplies with adaptive gate drive for maximum efficiency at any load.

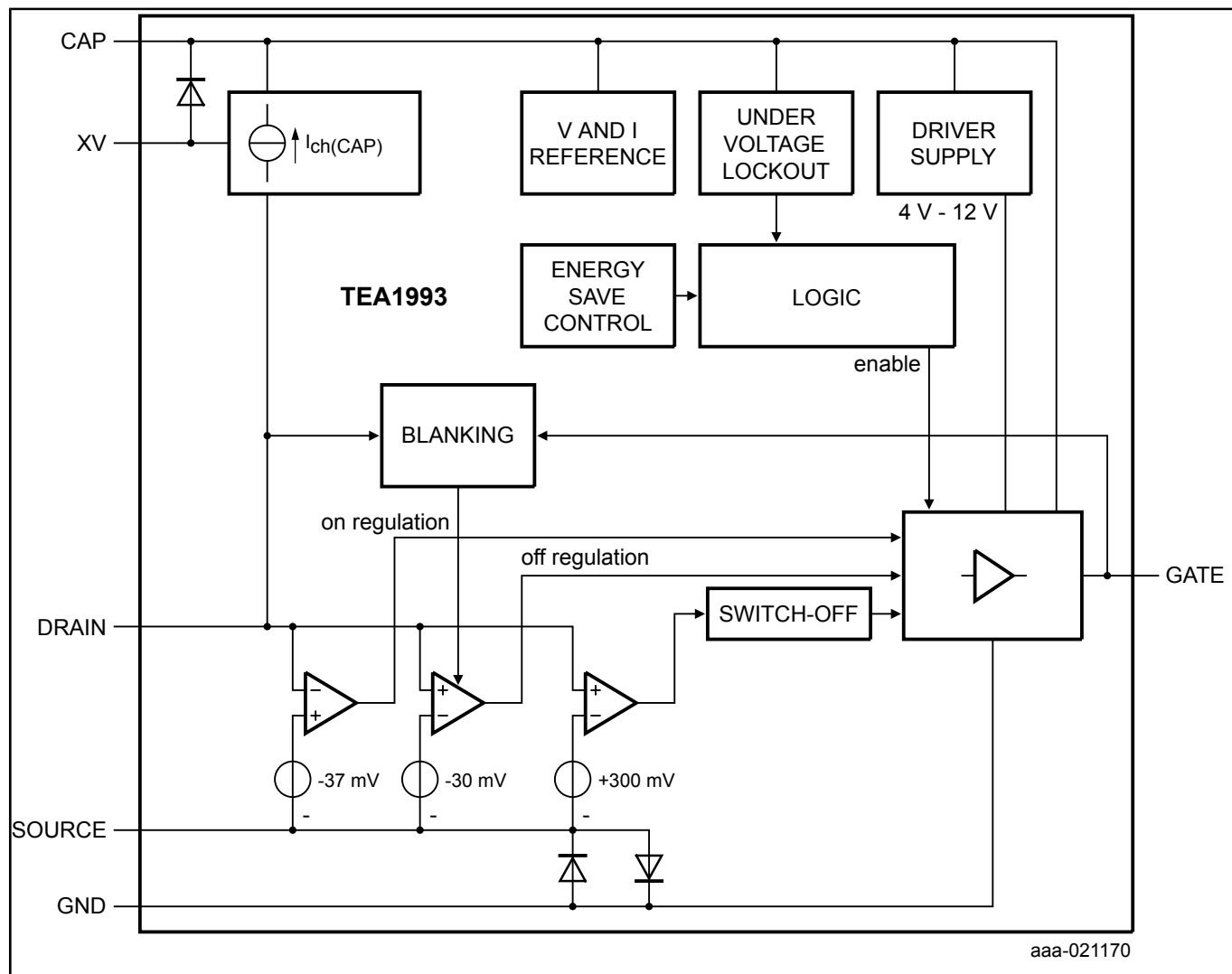
The TEA1993TS is a dedicated controller IC for synchronous rectification on the secondary side of flyback converters. It incorporates the sensing stage and driver stage for driving the SR MOSFET, which is rectifying the output of the secondary transformer winding.

The TEA1993TS can generate its own supply voltage for battery charging applications with low output voltage or for applications with high-side rectification.

The TEA1993TS is fabricated in a Silicon-On-Insulator (SOI) process.

The TEA1993TS is intended for flyback power supplies. In such applications, it can drive the external synchronous rectifier MOSFET, which replaces the diode for the rectification of the voltage on the secondary winding of the transformer.

## TEA1993TS Block Diagram Block Diagram



View additional information for [GreenChip Synchronous Rectifier Controller](#).

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

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