

6.6kW On Board Charger (OBC)

Innovation

ON Semiconductor offers a complete 6.6kW On Board Charger (OBC) solution with the wide selection of automotive qualified IGBTs, Super-junction MOSFETs, and SiC semiconductors, in addition to input rectification, power-factor correction, DC-DC conversion, isolation, output rectification, and output filtering.

Features

Wide output voltage range coverage, 200~450V.

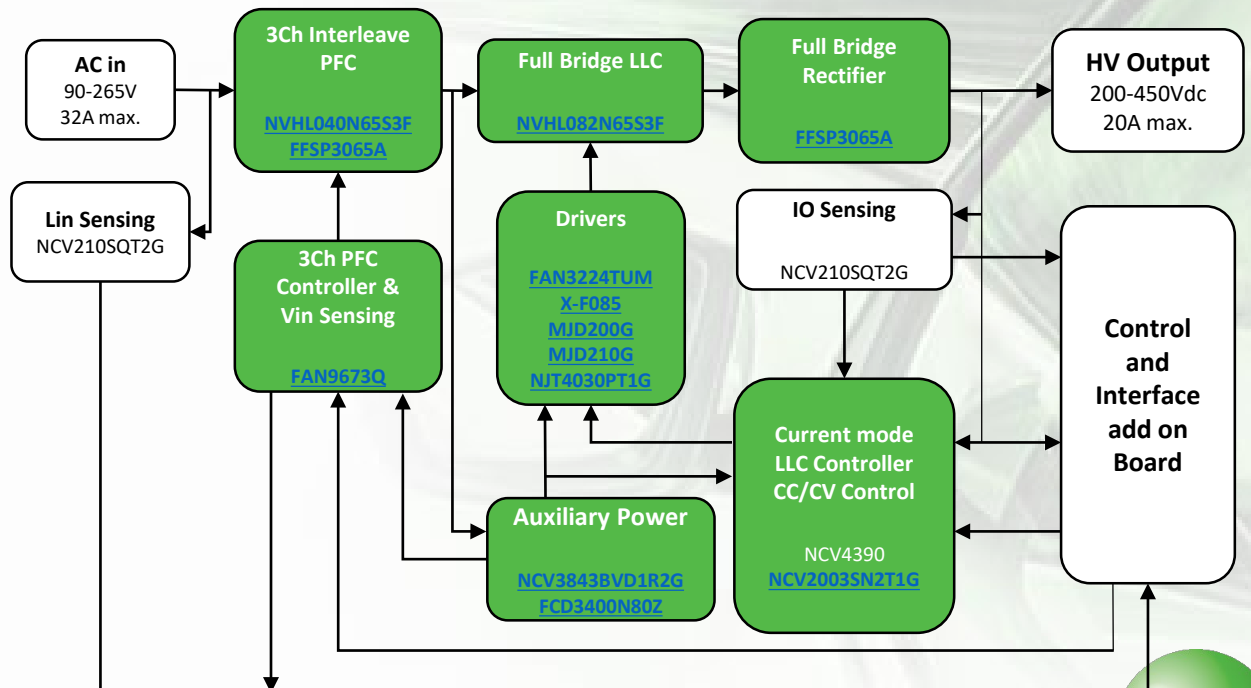
High efficiency system, >95% at 400V output.

Hardware PFC and LLC control approach for easily designing and less malfunction.

Three channel interleave PFC for high efficiency and power density.

Single full bridge LLC for trade-off the efficiency and cost.

Block Diagram



ON Semiconductor®

