

11KW SiC PFC and LLC OBC

Innovation

11kW On Board Charger using the [NVHL080N120SC1](#) 80mOhm/1200V SiC MOSFET's and the [NCP51705](#) integrated SiC Driver to trim the design on efficiency, greater than 98%.

Value Advantage

Board is designed for evaluation, to provide an easy access for testing. It is not optimized for form factor.

- ✓ High Efficiency enables cost efficient cooling concepts
- ✓ High reuse of existing IGBT PFC designs
- ✓ No changes in passives from IGBT design
- ✓ Utilizing SiC advantages at lower switching speeds

Current Proposition

Evaluations boards available at www.onsemi.com - [SEC-3PH-11-OBC-EVB](#)

Roadmap

ON Semiconductor has a wide range of 1200V and 900V SiC MOSFETs released to support every customer's application requirements.

Type	Voltage	Die	D2PAK-7L	TO-247-3L	TO-247-4L
MOSFETs	900V				
	1200V				

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