Summary

Specifications:

* Two Level 3-phase 3-wire converter
* 100kW – 4kHz – 400Vac,ll – 900 Vdc
* Semiconductor + dc link + lcl filter ( missing the heatsink )

Partial Load efficiency curves



Weight – Efficiency – Cost design space



S-PWM

Current Waveform



Filter Design



THI-1/6-PWM

Current Waveform



Filter Design



THI-1/4-PWM

Current Waveform



Filter Design



SV-PWM

Current Waveform



Filter Design



D-PWM-MIN

Current Waveform



Filter Design



D-PWM-MAX

Current Waveform



Filter Design



D-PWM-0

Current Waveform



Filter Design



D-PWM-1

Current Waveform



Filter Design



D-PWM-2

Current Waveform



Filter Design



D-PWM-3

Current Waveform



Filter Design

