



Ideal Flux Controlled (IFC) Power Transmission

Main Application Area: DC Power Supply from kW to GW+

Technological Lead for the Next 2 Decades!

New IFC-PWM makes the single-stage siliconbased (smart) DC-DC power transmission safe and reliable:

Saturation prevention without compromising the load short circuit resistance means the breakthrough - the single-phase smart transformer concept becomes scaleable :

- State-of-the-art feedback
- Stability – load short-circuit resistance and reliability – without additional components in the power actuator
- Efficiency by 98%
- About 50% smaller than resonant (LLC) and current-link converter, and
- > 1,000 times faster
 - Elimination of large intermediate energy storage facilities
 - Smaller and gearless motors in dynamic inverter drives

