

Danfoss solar inverter

Il contenitore tipico ha una capacità di produzione fino a 2 milioni di litri (2.000 m³/giorno) di acqua dolce. Questa quantità d'acqua copre il fabbisogno giornaliero di circa 8.000 abitanti.

Danfoss si differenzia offrendo i componenti chiave per la realizzazione di impianti di desalinizzazione di qualsiasi dimensione: Pompe ad Alta Pressione, Dispositivi di Recupero Energetico, Convertitori di Frequenza (Drive), Dispositivi di controllo e sicurezza.

This portfolio includes a wide range of products for efficient solar inverters in all power ranges: residential, industrial and utility scale. The products are scalable, from individual modules, including dedicated drivers, to high power SKiiP 4 IPMs and ready-to-use power electronic stacks. We also offer a large portfolio of 3-level power modules, IPMs and power electronic stacks, which can reduce system costs significantly as well as optimize annual energy production, especially for increased DC voltages up to 1500VDC.

The SEMITOP E1/E2 packages provide supply chain security with a standard industrial design. Press-fit pins offer reduced manufacturing time and a low inductance design. Ideal for fast switching chips, such as SiC, the SEMITOP has a wide portfolio of topologies, ready for your string inverter design.

In order to achieve economy of scale, manufacturers typically use the same hardware for solar and energy storage converters. While the three-level NPC topology works well for solar, this can often mean de-rating for energy storage while in charging mode. Thanks to the chip shrinkage from Generation 4 to Generation 7 IGBTs, there is more space for diodes. Therefore, the SEMITRANS 10 MLI offers an increased clamping diode current rating. This enables energy storage converters to work at full power while charging and discharging batteries.

Whenever power quality and efficiency are driving factors in power electronics applications, 3-level topologies are the key. This is especially true for renewable energy applications where the combination with the latest Generation 7 IGBTs sets new benchmarks.



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