

NKOSITHANDILEB SOLAR

St George High Frequency Inverter Construction Company



Overview

What is a high frequency inverter?

In many applications, it is important for an inverter to be lightweight and of a relatively small size. This can be achieved by using a High-Frequency Inverter that involves an isolated DC-DC stage (Voltage Fed Push-Pull/Full Bridge) and the DC-AC section, which provides the AC output.

How many employees are there in a high voltage inverter base?

With the registered capital of USD 30 million, the base has the floor area of 51,000m² and the plant area of 21,800m². At present, the base has 123 employees and the annual production capacity of high voltage inverter of 600 sets.

Which power supply topologies are suitable for a high frequency inverter?

The power supply topologies suitable for the High-Frequency Inverter includes push-pull, half-bridge and the full-bridge converter as the core operation occurs in both the quadrants, thereby, increasing the power handling capability to twice of that of the converters operating in single quadrant (forward and flyback converter).

What is a bridge type inverter?

The simplest form of an inverter is the bridge-type, where a power bridge is controlled according to the sinusoidal pulse-width modulation (SPWM) principle and the resulting SPWM wave is filtered to produce the alternating output voltage. In many applications, it is important for an inverter to be lightweight and of a relatively small size.

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The DC-DC section consists of 120 V boot, 4A peak high frequency high-side and low-side driver UCC27211 for driving the high-side and low-side FET's of the Full Bridge ...

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The inverter is a high-performance closed-loop vector inverter (shown in Figure 2 below) with three control modes of V / F, PG-free vector and PG vector. In the case of sudden ...

Shanghai Electric Fuji Electric Power Technology Co., Ltd. is company jointly established by Shanghai Electric Group and Fuji Electric Corporation (Japan) mainly engaged in the design, ...

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