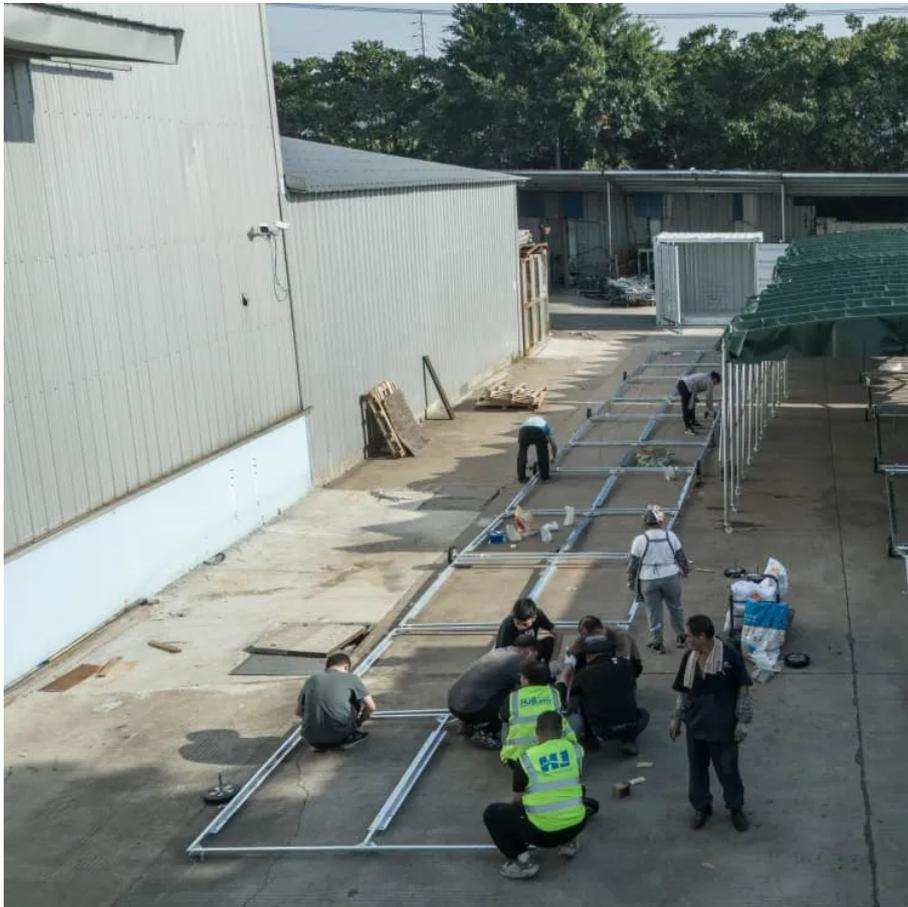


Singapore 11kw high quality inverter power supply





Overview

What is a 3 phase solar pump inverter?

Three phase 11 kW / 15 hp solar pump inverter, converts DC voltage from the solar panels into AC voltage to control three-phase submersible pumps, AC 3 phase 220/400/460V is selectable, can be switched to alternate 3 ph AC input when solar power is not available.

How much power does ref_11kw_pfc_sic_QD consume?

In Figure 62 and Figure 63, the measured efficiency and power loss of REF_11KW_PFC_SIC_QD under single-phase inverter mode are shown at different AC line volages: 230 VAC, 180 VAC, and 265 VAC. An external fan power consumption of 500 mW is not included in the measurements.

Can a power converter withstand high-voltage insulation?

Depending on system-level requirements, many power converter designs must withstand high-voltage insulation levels, typically in the range of several kilovolts between active circuitry and protective earth.

What is the efficiency and power loss of three-phase inverter mode?

Figure 51 and Figure 52 display the measured efficiency and power loss under three-phase inverter mode operation at different line voltages. The peak efficiencies of 99.263%, 99.122%, and 98.855% and the full-load efficiencies of 99.166%, 98.938%, and 98.632% are measured for the high-line, nominal, and low-line conditions, respectively.



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