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## 1kw inverter parameters

How do you connect a DC inverter to a power supply?

Connect a motor cable to the terminals J4, J5, and J6. Apply a DC bus power, AC power supply or AC mains power to the inverter by connecting the power to J1, J2, and J3. The maximum output of the DC power supply is 380VDC. The maximum output of the AC power supply is 265VAC, 50/60Hz. AC main power is 220VAC, 50/60Hz.

How many arms can a tida-010250 inverter deliver?

This reference design uses a 10A IGBT, which can deliver a continuous current of up to 6ARMS at a junction temperature of 125°C. The 6ARMS is an intermittent maximum current rating for the TIDA-010250 design. The continuous current capability of the inverter (which is  $\leq 6$  ARMS) is determined by the thermal design.

How to install tida-010250 inverter?

Isolate the host PC from TIDA-010250 board. Connect a motor cable to the terminals J4, J5, and J6. Apply a DC bus power, AC power supply or AC mains power to the inverter by connecting the power to J1, J2, and J3. The maximum output of the DC power supply is 380VDC. The maximum output of the AC power supply is 265VAC, 50/60Hz.

What voltage is needed to power a U10 isolator?

An external 5V or 3.3V rail is needed to power the isolated side of the U10 isolator. This reference design uses a 10A IGBT, which can deliver a continuous current of up to 6ARMS at a junction temperature of 125°C. The 6ARMS is an intermittent maximum current rating for the TIDA-010250 design.

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Description This reference design illustrates a motor inverter with MSPM0G1507, an Arm® Cortex®-M0+ core microcontroller. The design not only supports a sensorless Field ...

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coating is available to protect the circuit board from the erosion of the ...

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