ContainerPower Energy Solutions

DC current of the inverter

Overview

A power inverter, inverter, or invertor is a device or circuitry that changes (DC) to (AC). The resulting AC frequency obtained depends on the particular device employed. Inverters do the opposite of which were originally large electromechanical devices converting AC to DC.

To calculate the DC current draw from an inverter, use the following formula: Inverter Current = Power ÷ Voltage Where: If you’re working with kilowatts (kW), convert it to watts before calculation: Inverter Current = 1000 ÷ 12 = 83.33 Amps So, the inverter draws 83.33 amps from a 12V battery.

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