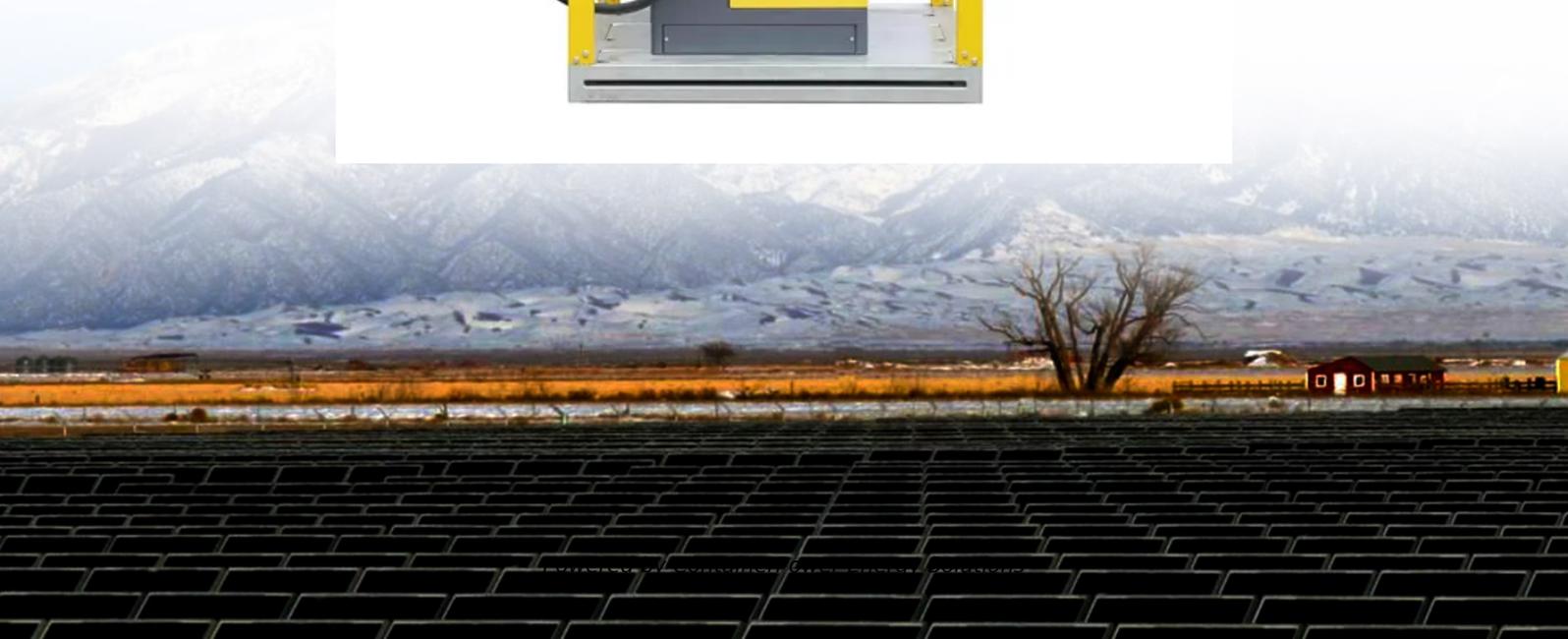


## ContainerPower Energy Solutions

# Maldives bidirectional energy storage power supply manufacturer



## Overview

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What is the main energy supply in Maldives?

These are calculated based on 2011 data for all the countries except for obtaining the SIDS average where 2009 figures are used. The main primary energy supply in Maldives is still dependent on imported fossil fuel (99.9%). Bulk of this imported fuel is diesel and the main energy used for production of electricity and transport.

What is a bidirectional power supply?

A bidirectional power supply demands a different design approach compared to an equivalent unidirectional supply. A unidirectional AC/DC power supply designed for high efficiency uses wide bandgap (WBG) SiC or GaN power devices with a totem-pole power factor correction (PFC) front end driving a DC/DC topology such as an LLC resonant converter.

Do EV charging stations need bidirectional power supplies?

Scenarios that call for bidirectional power supplies in EVs and EV charging stations include: EV supplying power back to the grid or to a microgrid in the home. EV charging station supplying power to an EV either from the grid or from stored energy depending on relative electricity prices.

What is a unidirectional AC/DC power supply?

A unidirectional AC/DC power supply designed for high efficiency uses wide bandgap (WBG) SiC or GaN power devices with a totem-pole power factor correction (PFC) front end driving a DC/DC topology such as an LLC resonant converter. Although the totem-pole PFC topology is bidirectional, the resonant LLC is not.

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