

This study aims to evaluate the performance of a photovoltaic module under some extreme climate conditions, and with a case study for Iraq. CFD model is developed for the analysis ...

There is no prospect currently for improving the grid, despite the government's promises. So it has become necessary to find alternatives, at least at the local level. This research, presented a...

Resupply of fuel and drinking water for troops in-theater costs lives, ...

Given that most of enterprises were in the Micro category, the majority (74%) reported that they do not keep accounting records, and the main reason being that their work does not require it.

Resupply of fuel and drinking water for troops in-theater costs lives, about 4 lives for every 100 convoys, or half of our casualties from Iraq and Afganistan. Replacing liquid fuels with small...

Small modular reactors (SMRs) are defined as nuclear reactors generally 300 MWe equivalent or less, designed with modular technology using module factory fabrication, pursuing ...

Many Member States are focusing on the development of small modular reactors, which are defined as advanced reactors that produce electricity of up to 300 MW (e) per module.

Some SMR design concepts are intended to be deployed in multiple module configurations within a single power plant. Several countries are also pioneering the development of transportable nuclear ...

A hybrid micro inverter allows for the seamless integration of battery storage at the module level, ensuring that critical industrial loads remain powered during grid fluctuations or total blackouts ...

The Iraq Micro Injection Molded Plastic Market faces several challenges, including political instability, security concerns, and an underdeveloped infrastructure.

This paper proposes techno-economically feasible and optimal sizing for each component of a hybrid system to generate electricity to a typical house in Zerbattiya, a village located in ...

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