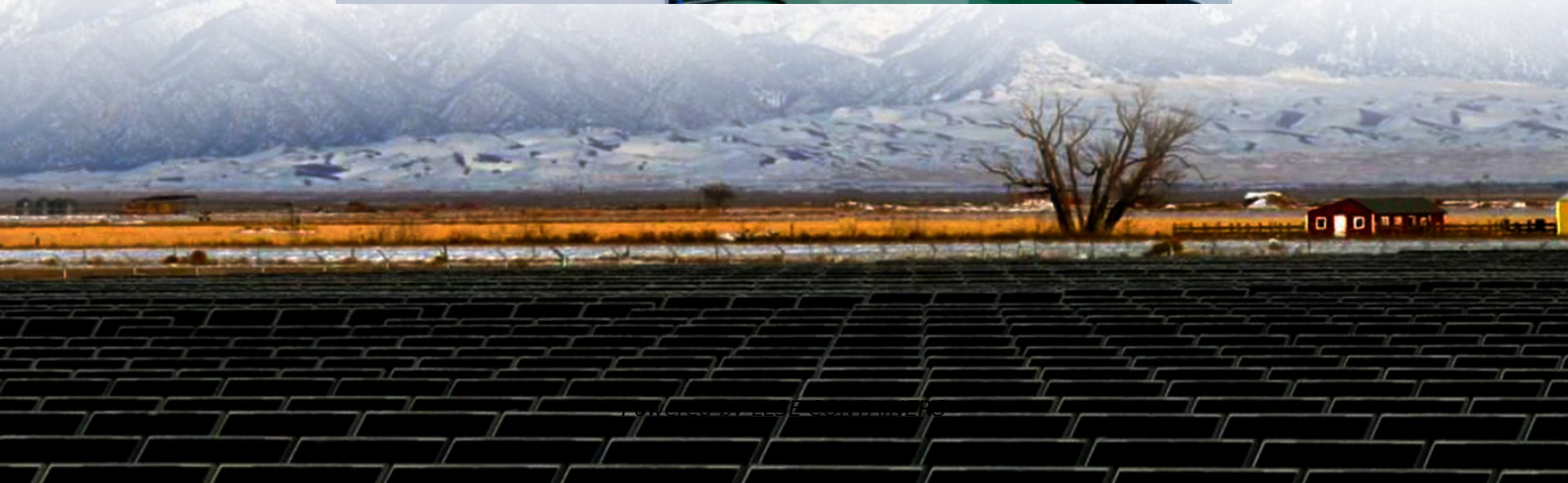


High-efficiency energy storage container for agricultural irrigation in Ethiopia





Overview

The demand for fresh water is constantly increasing among all water users. Irrigation in Ethiopia consumes a large amount of water extracted from various sources. Hence, efficient water use and manage.

What is sustainable irrigation management in Ethiopia?

Towards sustainable irrigation management in Ethiopia Sustainable irrigation development is increasingly acknowledged to promote the conservation of land and water resources towards satisfying human needs of the present generations without compromising the needs of future generations (Cai et al., 2003, Tiewtoy et al., 2011).

How does irrigation work in Ethiopia?

In Ethiopia, most irrigation practice is supply-based, which prohibits the promotion of water use efficiency. Regarding scheduling, all groups get water turn by turn. The water distribution method is of rotational type and electric power interruption hinders scheduling (Abshiro and Singh, 2018).

Can irrigation improve agricultural productivity in Ethiopia?

Irrigation is currently considered as a means by which agricultural productivity can be enhanced to satisfy the growing food demand in Ethiopia (S. B. Awulachew et al., 2005).

Are small-scale irrigation schemes sustainable in Ethiopia?

Economic sustainability In Ethiopia, small-scale irrigation schemes are benefiting the poor in ensuring food security through diversified cropping patterns switching to high value crop production and lowering the risk of crop failure (Ahmed and Haji, 2014, Bacha et al., 2011).



High-efficiency energy storage container for agricultural irrigation



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