

Abu Dhabi EK Energy Storage Equipment BESS





Overview

Emirates Water and Electricity Company (EWEC) is moving ahead with its plans to develop an independent greenfield 400-megawatt (MW) Battery Energy Storage System (BESS) power project in Abu Dhabi that will provide up to 800 megawatt-hours (MWh) of storage capacity by issuing a Request for Proposals (RFP) to qualified developers and developer consortiums. Why is EWEC deploying Bess in Abu Dhabi?

"Ewec is deploying bess to enhance the flexibility and stability of Abu Dhabi's energy network, allowing for the effective management of peak demand and integration of increasing amounts of renewable energy," the utility said in a media statement on 25 July.

What is EWEC's new energy storage facility?

The planned facility is expected to provide up to 800 megawatt-hours (MWh) of storage capacity. Called Bess 1, the project will closely follow the model of Ewec's independent power project (IPP) programme, in which developers enter into a long-term energy storage agreement (ESA) with Ewec as the sole procurer.

Will the UAE deploy 300mw/300mw of Bess capacity by 2026?

It follows EWEC's recommendation made this time last year that the UAE should deploy 300MW/300MWh of BESS capacity by 2026. It didn't reveal when it hoped the 400MW (MWh capacity undisclosed) would come online, so it's not clear whether this is part of a longer-term target or whether its forecasted needs have increased.

Why is EWEC launching a Bess Solar System?

EWEC said the BESS would provide flexibility to the system and ancillary services such as frequency response and voltage regulation. The BESS is crucial to the utility's plan to increase solar PV capacity to 7.5GW by 2030, part of an aim to reduce carbon emissions by 42% by 2030 from 2019 levels, it added.



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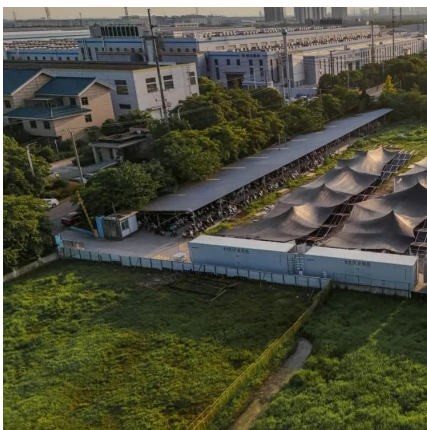
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