

## EQACC SOLAR

# Abu Dhabi Uninterruptible solar container power supply system



## Overview

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Why is UAE launching a solar power and battery storage project?

The launch of the solar power and battery storage project marks a pivotal moment in the clean energy transformation, allowing renewable energy to be dispatched 24 hours a day, seven days a week, reaffirming the UAE's position as a global pioneer in renewable energy deployment.

What is Abu Dhabi Sustainability Week 2025?

The announcement came on the sidelines of the Opening Ceremony of Abu Dhabi Sustainability Week (ADSW) 2025. Located in Al Azeezah, Abu Dhabi, the innovative project will be the world's largest round-the-clock combined solar power and Battery Energy Storage System (BESS), delivering reliable renewable energy 24 hours a day.

What is the largest solar energy storage system in the world?

Delivering up to 1 gigawatt of baseload power every day generated from renewable energy, the UAE's latest project will be the largest solar and battery energy storage system in the world.

What is EWEC doing in Abu Dhabi?

Located in Abu Dhabi, the project will feature a 5.2 gigawatt DC solar photovoltaic plant, coupled with a 19 gigawatt-hour battery energy storage system, setting a global benchmark in clean energy innovation. "In collaboration with EWEC and our partners, we will develop a renewable energy facility capable of providing clean energy round the clock.

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### Masdar, EWEC world-biggest solar-battery project in Abu Dhabi ...

Project combining solar and batteries to provide 1GW of 'round-the-clock' dispatchable power unveiled at Abu Dhabi Sustainability Week.

### Abu Dhabi announces 5.2GW Solar PV Project ...

The announcement came on the sidelines of the Opening Ceremony of Abu Dhabi Sustainability Week (ADSW) 2025. Located in Al ...



### Abu Dhabi announces 5.2GW Solar PV Project

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### UAE President witnesses launch of world's first 24/7 Solar PV, ...

In the presence of President His Highness Sheikh Mohamed bin Zayed Al Nahyan, Abu Dhabi Future Energy Company PJSC - Masdar and Emirates Water and Electricity ...



-  **Efficient Higher Revenue**
  - Max. Efficiency 97.5%
  - Max. PV Input Voltage 600V
  - 150% Peak Output Power
  - 2 MPPT Trackers, 150% DC Input Overvoltage
  - Max. PV Input Current 16A, Compatible with High Power Modules
-  **Intelligent Simple O&M**
  - IP66 Protection Degree: support outdoor installation
  - Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
  - DC & AC Type II SPDs prevent lightning damage
  - Battery Reverse Connection Protection
-  **Flexible Abundant Configuration**
  - Plug & Play, EPS Switching Under 15ms
  - Compatible with Lead-acid and Lithium Batteries
  - Max. 6 Units Inverters Parallel
  - AFCI Function (Optional): when an arc fault is detected the inverter immediately stops operation

 **TAX FREE** 

**Product Model**  
 HJ-ESS-215A(100KW/215KWh)  
 HJ-ESS-115A(50KW/115KWh)

**Dimensions**  
 1600\*1280\*2200mm  
 1600\*1200\*2000mm

**Rated Battery Capacity**  
 215KWH/115KWH

**Battery Cooling Method**  
 Air Cooled/Liquid Cooled



## World's first 24/7 solar PV, battery storage ...

Abu Dhabi Future Energy Company PJSC - Masdar and Emirates Water and Electricity Company (EWEC) announced today the ...

## Masdar, EWEC world-biggest solar-battery ...

Project combining solar and batteries to provide 1GW of 'round-the-clock' dispatchable power unveiled at Abu Dhabi Sustainability ...



## UAE announces world's first 24/7 renewable energy ...

Abu Dhabi Future Energy Company (Masdar) and Emirates Water and Electricity Company (EWEC) have unveiled a groundbreaking project to

build the world's first large-scale ...



### Masdar and CATL partner on world's Largest BESS project: 24/7 solar

JA Solar and Jinko Solar, two of the world's largest PV module suppliers, and CATL, the world's largest battery manufacturer and a leading battery energy storage system ...



### Masdar unveils first 24/7 continuous solar and storage project in Abu Dhabi

The United Arab Emirates (UAE) announces the launch of the first gigawatt-scale project integrating solar photovoltaic energy and battery storage with 24-hour uninterrupted ...

### Abu Dhabi unveils world's first 24/7 solar and battery ...

The Abu Dhabi solar and battery energy storage system (BESS) facility will combine a 5.2GW solar photovoltaic (PV)

plant with a 19GWh battery storage system, making ...



### **Masdar and CATL partner on world's Largest ...**

JA Solar and Jinko Solar, two of the world's largest PV module suppliers, and CATL, the world's largest battery manufacturer and a ...

### **Can the Sun Power the Night? Abu Dhabi's 24/7 Solar Project**

Learn how Abu Dhabi's 24/7 Solar Project combines 5.2 GW PV with 19 GWh battery storage to deliver gigawatt-scale clean power, day and night.



### **Masdar , Masdar Announces Preferred Contractors and ...**

Abu Dhabi Future Energy Company PJSC - Masdar, the UAE's clean energy leader, announced today preferred suppliers and contractors to support the development

of ...



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### **World's first 24/7 solar PV, battery storage gigascale project ...**

Abu Dhabi Future Energy Company PJSC - Masdar and Emirates Water and Electricity Company (EWEC) announced today the launch of the world's first large-scale 'round ...



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