

Residential Energy Storage, Blockchain and Energy Sharing Systems: Technologies and Global Market

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Abstracts

Report Scope:

The scope of this market study includes the leading residential energy storage systems technologies that are currently in use globally. Residential home battery technologies are used across a number of industries and applications, such as automotive, renewable energy and telecommunications. The technologies discussed in this report are in use across the industries mentioned above and many more as well, as new sectors driven by product and technological innovation emerge.

The market analysis provided in this report is based on a variety of data sources. These include the most recent government, industry, academic and company data regarding the projected level of demand for residential energy storage systems technologies. This report quantifies battery storage technologies used in residential, including battery storage electrochemistries (e.g., lithium-ion and lead-acid) and all-in-one battery pack storage units (battery, inverter charger and battery management software) for residential electricity storage, as well as RES units that can share stored electricity. It does not include other components such as solar panels and charge controllers. Therefore, this report provides a comprehensive review of available data to provide a realistic and accurate assessment of this evolving market.

BCC Research analyzes each major residential energy storage systems technology, determines its current market status, examines its impact on future markets, and presents forecasts of growth over the next five years. Estimated values used are based on manufacturer's total revenues. Projected and forecast revenue values are in constant US dollars, unadjusted for inflation. Technological issues, including the latest trends, are assessed and discussed, as are the current and likely-to-appear regulatory

environments in support of this industry.

BCC Research analyzes the industry on a worldwide basis in terms of its manufacturing and use of residential energy storage systems. BCC Research examines government roles in support of residential energy storage systems technologies worldwide, including regulatory support and government requirements, for residential energy storage systems technologies. The report provides a review of the most relevant residential energy storage systems, discusses recent trends and sales, and provides industry overviews and market assessments for leading residential energy storage systems.

Report Includes:

45 data tables

A comprehensive overview of the global market for residential energy storage, blockchain and energy sharing systems

Analyses of global market trends, with data from 2017 to 2018, and projections of compound annual growth rates (CAGRs) through 2023

Characterization and quantification of market potential for residential energy storage market by product offerings, storage types, applications, end user industries and major geographies

Assess current market trends and technological updates along with the factors influencing the growth of residential energy storage market

A relevant patent analysis

Profiles of top market players within the industry including ACME Cleantech Solutions Pvt. Ltd., BMW Group, DMS Technologies, Exide Technologies GmbH and LG Chem Ltd.

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ACME CLEANTECH SOLUTIONS PVT. LTD.
ADARA POWER
AMARA RAJA BATTERIES LTD.
AMPEREX TECHNOLOGY LTD.
BAE BATTERIEN GMBH
BLUESKY ENERGY ENTWICKLUNGS UND PRODUKTIONS GMBH
BMW GROUP
BYD COMPANY LTD.
C&D TECHNOLOGIES INC.
CATL
CERES POWER LTD.
COMMEO GMBH
CROWN BATTERY MANUFACTURING CO.
DAEJIN BATTERY CO., LTD.
DMS TECHNOLOGIES
EAST PENN MANUFACTURING CO. INC.
ECOCOACH AG
ELECTROVAYA INC.
ENERSYS
ENPHASE ENERGY INC.
E-ON BATTERIES
E3/DC GMBH
ELECTRIQ POWER INC.
EVEREXCEED
EXIDE TECHNOLOGIES GMBH
FRONIUS INTERNATIONAL GMBH
GENERAL ELECTRIC CO.
GERMAN ENERGY SUPPLY GMBH (SENEC)
GESS LTD.
GS YUASA INTERNATIONAL
HBL POWER SYSTEMS LTD.
HOPPECKE BATTERIEN GMBH & CO. KG
IBC SOLAR AG
JOHNSON CONTROLS INC.
KOKAM CO. LTD.
KYOCERA CORP.
LECLANCH? GMBH
LG CHEM LTD.

MAXWELL TECHNOLOGIES INC.
MERCEDES-BENZ ENERGY GMBH
MICROTEX ENERGY PRIVATE LTD.
NEDAP
NISSAN CO. LTD.
PANASONIC CORP.
PRIMUS POWER CORP.
POWERBALL SYSTEMS AG
POWERSVOLT LTD.
REDFLOW LTD.
REDD ENERGY STORAGE PLC
SAFT GROUPE S.A.
SAMSUNG SDI CO. LTD.
SHARP ELECTRONICS CORP.
SHENZHEN BAK BATTERY CO., LTD.
SIMPLIPHI POWER INC.
SMA SOLAR TECHNOLOGY AG
SONNEN GMBH
SONY ENERGY DEVICES CORP.
STORAGE BATTERY SYSTEMS LLC
SU-KAM POWER SYSTEMS LTD.
SUNVERGE ENERGY LLC
TESLA INC.
TESVOLT GMBH
TIANJIN LISHEN BATTERY CO. LTD.
TOSHIBA CORP.
TROJAN BATTERY CO.
VALENCE TECHNOLOGY INC.
VARTA AKTIENGESELLSCHAFT
VICTRON ENERGY B.V.
VIZN ENERGY SYSTEMS INC.
VOLTSTORAGE GMBH
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