

India's Energy Storage market to grow at CAGR of 6.1% by 2026

Pune, 13th December 2019- India Energy Storage Alliance (IESA), India's leading alliance on energy storage brings once again the 5th edition of India Stationary Energy Storage market report. The report estimates the market for energy storage in India to be the US \$2.8 billion in 2018 and forecasted to grow at a CAGR of 6.1% by 2026. The total annual MWh addition in 2018 hit 24.4 GWh and expected to grow to 64.5 GWh by 2026. It dwells in-depth into the various applications of advance storage technologies such as in Renewable Energy integration, Transmission & Distribution (T&D) deferral, ancillary services, railways, microgrids, telecom, and behind the meter applications such as inverters, UPS, solar rooftop and so on. The base year of the study is 2018, the forecast period is 2019-2026.

The market segments include Grid-scale storage applications in solar integration, wind integration, T&D deferral, ancillary services; Behind the meter (BTM) storage applications such as telecom, rural electrification, solar rooftops, diesel replacements, inverter back-up, UPS back-up, thermal energy storage and railways: rolling stock, signaling and control room back-up.

Demand for energy storage in BTM applications will account for 68-77% of the cumulative market during 2018-2026. Inverters and telecom takes the major share of the BTM market.

Geography: India

Key Companies: Amara Raja, Exide, Luminous Technologies, Exicom, Delta Electronics, Coslight, Livguard and HBL

Report Structure

The report is segmented into 4 main segments.

Segment 1: Total Stationary Storage market

This covers the total market revenue in US\$ and in GWh installation capacity and its forecasts. Major drivers and restraints faced by individual segments in the market. Discussion on policy landscape, which covers supportive policies, pending for approval and required regulations to support the market. Technology price trend analysis is also covered in this chapter. Based on the drivers and restrains in each of the segments, two scenarios are analyzed;

- a) Base case scenario where the factors affecting the market remain tepid as during base year (2018).
- b) Best case scenario where the pending policies and regulations are approved, and the market grows at a faster growth rate.

These two scenarios are followed for forecasting potential of market segments and sub-segments. The sample graphs in the total market chapter are as below. These are made with sample data and not to be used for reference.

Segment 2: Grid Scale Stationary Storage market

This section cover in depth the 5 major applications of stationary storage in grid applications namely:

- a) Utility scale solar integration
- b) Utility scale wind integration
- c) Fast response ancillary services
- d) Transmission Deferral
- e) Distribution Utility side integration

Each of these sub-segments cover government policies and regulations, detailed analysis of various cases for storage, tenders and project updates, latest trends, annual MWh additions, forecast till 2026, major industry participants. For solar and wind integration, there is a deep dive into the current scenario of renewable energy addition in the country, tariff trend analysis and discussion as well.

Segment 3: Stationary Storage in behind the meter (BTM) applications

- a) Inverter back-up
- b) UPS back-up
- c) Telecom
- d) Solar rooftop
- e) Diesel replacements
- f) Rural Electrification
- g) Thermal Energy Storage

Each of these sub-segments cover market drivers and restraints, explanations as to why storage makes economic sense in application such as solar+ storage and diesel replacements. Present scenario and forecasts in diesel prices, solar rooftop installations, and telecom tower installations are dealt in the respective sub-segments.

In each of this application, market forecast in MWh installation is projected for time period 2018-2026. Market is segmented by battery chemistry and competitive market share analysis by top 5 companies is also covered. Sample graphs are included below which is common across all 7 sub-segments listed above.

Segment 4: Railways

Application of storage batteries in railways- rolling stock, signaling, backup etc. The major chemistries used, and the market forecast till 2026. Competitor market share analysis.

For more information about this report visit- <https://indiaesa.info/resources/industry-reports>

About India Energy Storage Alliance (IESA):

India Energy Storage Alliance (IESA) is the premier alliance to focus on the advancement of advanced energy storage and e-mobility technologies in India. The alliance was founded in 2012 by Customized Energy Solutions (CES). IESA aims to make India a Global Hub for research and manufacturing of advanced energy storage technologies by 2022. We have been at the forefront to contribute to the development of



enabling policy frameworks for the adoption of Energy Storage and e-mobility technologies in India. IESA provides an eco-system to our members to network and grow their business in India and around the world through in-depth analysis and active dialogue among the various stakeholders.

IESA website: www.indiaesa.info

Press Contact - India Energy Storage Alliance (IESA)

Swati Gantellu

Assistant Manager- Corporate Communications

Tel- 9168429492 | Email- sgantellu@ces-ltd.com

IESA website: www.indiaesa.info