NX Drive™ by NEXTracker is the most flexible and reliable energy storage system on the market today, providing best-in-class safety features for the toughest environmental conditions. Designed for utilities, developers, and energy partners, NX Drive supports multiple battery technologies and provides unprecedented configurability for a wide range of storage applications, project sizes, and future needs. Engineered to maximize energy and power density in a standardized package, NX Drive reduces balance of system (BOS) costs from design through installation and operation.

NX Drive applies best practices for lean and robust system integration to drive safety, quality, flexibility, and efficiency while lowering BOS and operating costs.

Now available in multiple sizes and configurations

20 ft
40 ft

Increase Project Velocity and Scale

- Platform approach supports multiple battery technologies and configurations for maximum application and supply chain flexibility.
- Standardized product leverages industrywide supply chain efficiencies, scale, and volume, including Flex’s global manufacturing footprint across 30 countries.
- Modular, pre-engineered design simplifies project development and enables repeatable deployment for maximum project velocity.

NEXTracker.com
NX Drive Features and Benefits

- Purpose-built, structurally reinforced enclosure features logistics-friendly dimensions equivalent to ISO HQ container; meets Z4 UBS seismic requirements.
- Efficient internal design maximizes energy and power density.
- Patent-pending side-door openings enable unmanned safe access to all equipment.
- DC aggregator panel supports quick battery string connectivity, protection, and isolation.
- AC panel provides auxiliary power distribution.
- Thermal management system is pre-engineered to battery manufacturers specifications for maximum performance and longevity.
- Integrated fire detection and suppression system.
- SCADA-ready monitoring provides remote status awareness of the entire battery energy storage system.
- Enables UL 9540-compliant systems and guarantees environmental requirements prescribed by battery manufacturers.
- Options:
  - Batteries
  - DC or AC Coupled PCS System
  - Energy Management Software

NX Drive Specifications

<table>
<thead>
<tr>
<th>Operating temperature range</th>
<th>-40 to 45 Celsius</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCADA interface</td>
<td>Modbus TCP/IP</td>
</tr>
<tr>
<td>Aux. load interface</td>
<td>480/380/208 Vac 3-phase available</td>
</tr>
<tr>
<td>Thermal management</td>
<td>Wall-mounted, industrial-rated HVAC; performance-based sizing</td>
</tr>
<tr>
<td>Fire suppression and detection</td>
<td>UL-listed NOVEC 1230 @ 10% concentration.</td>
</tr>
<tr>
<td>Design standard</td>
<td>NEC/NFPA 70E, UL 9540</td>
</tr>
<tr>
<td>External dimensions and approximate weights</td>
<td>20 ft L, 8 ft W, 9 ft 6 H; weight: 94,000 lbs</td>
</tr>
<tr>
<td></td>
<td>40 ft L, 8 ft W, 9 ft 6 H; weight: 137,000 lbs</td>
</tr>
<tr>
<td>Insulation</td>
<td>R8 value – roof, sides and doors</td>
</tr>
<tr>
<td>Locking mechanism</td>
<td>HH-EA/1</td>
</tr>
<tr>
<td>Finish</td>
<td>250 µm fluorocarbon paint</td>
</tr>
<tr>
<td></td>
<td>Dip galvanized finish available for coastal installations</td>
</tr>
</tbody>
</table>

Drive BOS

<table>
<thead>
<tr>
<th>Length</th>
<th>C-Rates</th>
<th>Nominal Voltage</th>
<th>Capacity</th>
<th>Batteries - Includes BMS</th>
<th>PV + Storage</th>
<th>Standalone PCS</th>
<th>EMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 ft</td>
<td>.25 &amp; .5</td>
<td>714-999</td>
<td>1-2.6 MWh</td>
<td>LG4H-3P-1000 or similar</td>
<td>AC or DC Coupled</td>
<td>Yes</td>
<td>BTM/FTM</td>
</tr>
<tr>
<td>40 ft</td>
<td>.25 &amp; .5</td>
<td>714-999</td>
<td>3-6 MWh</td>
<td>LG 4H-3P-1000 or similar</td>
<td>AC or DC Coupled</td>
<td>Yes</td>
<td>FTM</td>
</tr>
</tbody>
</table>

Drive Complete

<table>
<thead>
<tr>
<th>Length</th>
<th>C-Rates</th>
<th>Nominal Voltage</th>
<th>Capacity</th>
<th>Batteries - Includes BMS</th>
<th>PV + Storage</th>
<th>Standalone PCS</th>
<th>EMS</th>
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</tr>
</tbody>
</table>

Check with our sales team for compatible battery technologies: storagesales@nextracker.com

System Architecture

DCA Panel:
- Fused disconnect
- Ground fault detection & surge suppression
- Battery string aggregation

Data Aggregation:
- NCU (Network Control Unit)
- PLC
- Network switch
- NX Data Hub

Fire Detection and Suppression:
- Fire alarm panel with sensors, horn, and strobe
- Battery backup
- NOVEC 1230

AC Panel:
- Aux. load power distribution with transformers
- DC power supplies for battery racks
- Enclosure monitoring system with E-stops
- UPS for critical loads

Enclosure:
- Insulated roof, sides, and doors
- Checker plate metal floor
- Side doors
- Purpose built and hardened with ISO