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October 1, 2024

SOLAHD™

Changes to SolaHD™ Distribution Transformers: Now Featuring Enhanced Enclosure Design



At Emerson, we are dedicated to providing our customers with the best products and service. Through innovation and breadth of product, we strive to understand our customers' needs and deliver the unique solutions that ensure their success.

After careful consideration and evaluation, Emerson has decided that starting on November 1, 2024, they will begin to transition the SolaHD three-phase, 11 kVA to 112.5 kVA transformer enclosures and designs associated the following transformer series:

- [Low Voltage General Purpose \(LVGP\) DOE2016 Compliant \(E\)](#)
- [Drive Isolation transformers \(DT\)](#)

The enhanced enclosure designs will begin with EE and EDT respectively to represent the enhanced enclosure design changes. Examples:

- E2H75S will be phased out for EE2H75S over time
- DT651H27S will be phased out for EDT651H27S series

Enhanced Enclosures Features (EE & EDT models):



- **Made in the USA** (Rainsville, Alabama)
- Department of Energy CFR (Code of Federal Regulations) title 10, part 431.196. NRCan2019 - Natural Resources Canada CSA C802.2, Minimum Efficiency Values for Dry-Type Transformers.
- Verify before ordering with Technical Services. Drive Isolation in USA are exempt from DOE2016.
- 150 °C Temperature Rise Available in EE and EDT configurations.
- **Lower Center of Gravity Design with line of site mounting feet**
 - easily lifted by a forklift for easy placement by the base of transformer for increase stability in transporting and easy installation.



- **Field Replaceable Panels:** L, R, F, B and top panels can be replaced as needed.
- Enhanced Enclosure Fasteners – Cage - Nuts with hex – star pattern fastener.
- Adequate wiring compartment.
- Packaging tested to ISTA3B standards - Simulated LTL.
- Wall Mount Brackets available.

As we begin this transition, please note the following:

- Many "A" items for the EEs and EDTs should be active by November 1st or before in the system, and more are going in each day.
- Existing enclosure and designs will be phased out and substituted with EE and EDT part numbers. Example: Examples E2H75S will be phased out for EE2H75S over time.
- Current orders through November 2024 should be with Design Style 1 (existing enclosure design).
- WB1C current wall mount brackets for current design will be phased out and then the new Wall Mount Brackets up to 75kVA will be available.
- **Starting in November we'll begin to phase-out designs and substitute for the alternative EE and EDT models.**
- Contact your SolaHD Representatives or Customer Service for questions on orders. For technical application questions contact solahd.technicalservices@emerson.com.

To summarize, Enhanced Enclosure and Designs are only for three-phase, 11-112.5 kVA sizes only 150 °C Temperature Rise (excluding, low temperature and K-factor for now). DOE2016 LVGP with current (E designations) will become Enhanced Enclosure (EE) style, Drive Isolation (DT) will become Enhanced Enclosure, (EDT) style designs. Look out for future webinars to be scheduled to introduce you to the new enclosure updates and designs.

Examples:

- E2H75S current versions will become "EE" versions or **EE2H75S**
- Drive Isolation Transformers will become "EDT" versions or **EDT651H27S**

All configured three-phase ventilated transformers within the kVA range will be transitioning over to the new designs moving forward. This will ensure there are no interruptions in your configured transformer needs. We ask that our distributor partners work with their SolaHD representative to assess your requirements.

For all new requests, please use the "[non-catalog configurable SolaHD transformer quotation request](#)" form. Download and fill in all applicable information then email it to our world-class SolaHD technical support team (solahd.technicalservices@emerson.com).

Mark Dziedzic | Sr. Product Marketing Manager Power Quality and Distribution Transformers | SolaHD | Emerson

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Appleton Grp, LLC | 9377 West Higgins Road, Rosemont, IL 60018 | USA

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