

ABB ELECTRIFICATION | SMART POWER

ReliaGear® SB Switchboard – EXcelerate Program

Frequently Asked Questions

GENERAL

1. What does EXcelerate CTO stand for and why does it matter?

CTO= Configured to Order. It's a way to configure equipment that can drive faster lead times and standardization thanks to the use of pre-engineered sub-assemblies. This means there are 4,000+ configurations available for customers to select from several category choices in empower. The purpose is to receive switchboards faster.

2. What are the options available in EXcelerate Switchboards? NEW

There will be limited options for the EXcelerate program. There are several choices to configure including the following: VOLTAGE, AMP, MATERIAL, RATING, ENCLOSURE, FEED LOCATION, INCOMING, DISTRIBUTION SIZES, CONNECTION TYPES, and DISTRIBUTION SECTION. Please refer to empower for more details.

3. How many combinations of switchboard layouts are supported in the EXcelerate Switchboard option? NEW

4,000+ configurations are available and more added every month.

TECHNICAL

4. What voltages are available for EXcelerate switchboards? NEW

600/347 VAC, 480/277 VAC, and 208/120 VAC options.

5. Will Seismic & OSHPD ratings be included in the EXcelerate offering?

Yes. It can be found on the “Options” tab in the EXcelerate Switchboard selector in empower.

6. What if my design requires incoming currents outside of the 1200A – 4000A range?

Please use the Standard Switchboard selection in the “Lineup” screen of Empower to configure designs outside of the EXcelerate offering. These will be Engineered to Order (ETO) and will have the current lead times associated with that offering.

7. What main breakers are available on the EXcelerate Switchboard options?

Emax 2 main breakers (frames 2.2, 4.2, & 6.2) and group mounted Tmax XT7 mains are available.

8. What distribution functions and breaker frames are available on the EXcelerate Switchboard options? NEW

These are the options for distribution breakers:

- TMF - XT1
- TMA – XT4, XT5, XT6
- EKIP DIP (LSI) - XT2, XT4, XT5, XT6, XT7
- EKIP DIP (LSIG) - XT4, XT5, XT6, XT7
- TOUCH (LSI and LSIG) - XT7 1200 A
- Individually Mounted (Emax 2)
 - E2.2, E4.2, E6.2
 - Trip unit – EKIP TOUCH LSIG

9. Are the SPD (Surge Protective Devices) ratings mentioned in kA per phase?

As per the SPD drop-down in empower, the dual rating shows per phase and per mode collectively. 125/250 per mode/phase and 200/400 per mode/phase.

10. Can the main section be either top or bottom feed? Can the main section be connected with cable in and cable out options? NEW

- The configurator will allow for Top or Bottom incoming. Note cable only though, no busway. If someone needs a quick switchboard with busway, they can do a busway end cable tap box.
- Yes, cable in and cable out options are available as a selection in the empower quotation tool.

11. What specific meters can be added to the EXcelerate switchboards?

There is a choice of four ABB RGM series meters for monitoring. These include RGM2200, RGM6000, RGM6010, and RGM7000 meters with various communication protocols and parameters.

12. Will removing the Hi-Res Engineered-to-Order step impact the quality of my switchboard design?

No, these designs have been completed by R&D (Research & Development) and validated by req engineering to ensure accuracy and manufacturability.

13. Is Tin plating Cu bus being considered for the EXcelerate program?

Not at this time.

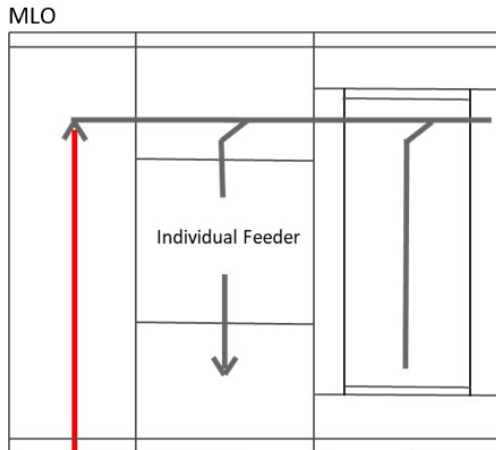
14. What are the benefits of feeder only applications in EXcelerate? NEW

Benefits include more flexibility to meet specifications, more cable bending space, and faster lead times when used with EXcelerate switchboards.

15. What is the use-case for feeder only applications? NEW

Main Lug Only (MLO) is often used when a separate main disconnect is required or preferred. Typically found in applications where the local code requires separation of the main and distribution sections such as universities and schools.

Feeders only configuration allows for group and individually mounted feeders.

**16. Can I add a bussed pull section to a cable in cable out main section instead of a blank to allow for the same entry and exit location in EXcelerate? NEW**

No, currently the only option to allow for the same entry and exit location on a standalone main in EXcelerate is the addition of a blank section.

ORDERING**17. Can an existing order be converted from a Standard order into an EXcelerate Switchboard order? Will the customer need to pay a cancellation fee?**

The only way to convert a current placed standard order into an EXcelerate order is to re-issue the order as an EXcelerate Switchboard option in empower.

ABB will waive the cancellation fee if the EXcelerate order is placed before cancellation of a current Standard Switchboard order, and only if the new order will be for the same or similar number of sections.

18. Is it possible to make any modification to an EXcelerate order, for example to use breakers that are not in scope in small quantity?

No, if out-of-scope features are required, the board will need to be a Standard Switchboard option. However, select accessories are available for field installation.

19. If I start a design in EXcelerate and I need a feature only available in Standard Switchboard option, do I have to restart my design from scratch?

No, you can switch between the designs without losing your work, however there is one section that will need to be re-entered which is the “Lug Type” and “Cable Size” found under the “Incoming Service Disconnect” tab of empower.

20. Can we use ABB empower quotation tool to quote EXcelerate switchboards?

Yes. There is a new “EXcelerate Switchboard” selection in the drop-down menu for the Switchboard Type in the “Lineup” screen.

21. Can a customer convert a Standard Switchboard quote into an EXcelerate Switchboard quote?

Yes. You can simply change the type of board from Standard to EXcelerate from the “Lineup” screen. Please note, this will work properly if there are no out-of-scope selections. If out-of-scope features are selected, then they will be reset.

22. What is the planned training program for our distributors?

The simplified design can be learned from the training material available on ELSA. There is a great training tutorial to walk distributors through the empower selection options. We also plan to visit some large distributors and train the trainers to help customers navigate the empower tool to quote and order EXcelerate switchboards.

23. What about spare parts? Does the empower BOM (Bill of Material) contain all the mechanical parts that commonly have issues on site, like splices and brackets?

No. We do not have a specific spare parts list at this point.

DELIVERY

24. What is the lead time range for CTO EXcelerate?

At launch, the lead time will be 2X faster than standard lead times.

25. How does the EXcelerate program differ from the On Demand and On Demand Mid Cycle?

- **EXcelerate** allows the configuration of the board and the selection of the breakers to be delivered 2X faster than standard.
- **On Demand** is made by 7 SKUs with fixed BOMs (Bill of Materials) that cannot be modified with a lead time of 2 weeks if all parts are in stock at the time of the order.
- **On Demand Mid Cycle** has the same 7 configurations as the On Demand program, however, it will have a longer lead time of 10 weeks for a discount.

26. Is this built in Mebane, NC?

No, Monterrey, Mexico is the manufacturing location.

27. Do we have a similar solution for providing easy insert and removal of the feeder breakers like the competitors?

There is an existing [ReliaGear next – Branch circuit breaker installation video](#) on YouTube that shows the installation and removal of the circuit breakers.

28. Is there a quick video to learn about ReliaGear SB Switchboard – EXcelerate?

Yes, there is a [ReliaGear SB Switchboard - EXcelerate video](#) on YouTube, under 2 minutes.

29. Where can I find more information about EXcelerate switchboards? **NEW**

- [Switchboard ReliaGear SB | ABB US Electrification website](#)
- [ReliaGear SB EXcelerate presentation – external](#)

ON DEMAND PROGRAM QUESTIONS

30. On the 2000A On Demand do we have an option for feeder section that will allow one to add an XT7?

Yes, the new On Demand offering featuring Emax 2 mains has a 40" Wide distribution section to accommodate an XT7.

31. For On Demand, will that only be available for 2000A and 4000A boards? Or are any other sizes planned?

Currently the On Demand program only offers 2000A & 4000A options. If other ampacities are needed, refer to the EXcelerate program which offers a wide range of selections, from 1200A to 4000A.