
TECHNICAL INFORMATION

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ReliaGear® neXT Power Panelboard – Tin Plating Expansion

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1. Introduction

With this Technical Sales Information, we are glad to inform you about the release of new features for ReliaGear neXT power panelboard.

This upgraded offering is expanding upon our current Tin-plated bus stack offering, extending it to 16X panelboard interiors down to 250A. Previously, Tin-plated bus stacks were limited to 400A+ and 24X+ which was forcing customers into a larger size panel and upsizing the main breaker for water market opportunities, which was causing us to be less competitive in size/footprint, as well as price. With this upgrading offering, we will now be able to offer 16X Tin-

plated bus stacks down to 250A, completing the offering and making us more competitive in the market.

2. New offering

Tin-plating expansion: For customers and sales teams serving the panelboard market where Tin-plated bus is required due to corrosive environments, such as wastewater market. When configuring ReliaGear neXT power panelboards in empower quote or utilizing the empower flow OEM configurator, Tin-plated bus stacks will now be offered at 16X interior heights, down to 250A.

Previously, if you required a Tin-plated ReliaGear neXT power panelboard with a 250A main breaker, the offering was forcing you to upsize both the interior bus stack to 400A and 24X, as well as the main breaker was being upsized from XT4 to XT5. So, we had to upsize on the panel ampacity, panel height, and main incoming device. Now with the expanded offering, Tin-plated bus stacks will be offered down to 250A and 16X, allowing a smaller footprint, with the appropriately sized main breaker.

See the two tables below, which show the previous panelboard bus stack offering, and the new expanded offering with this release.

Previous offering:

Possible combinations of bus stack and enclosures											
Bus height	16X		24X			32X			40X		
Bus type	NN	BL	NN	BL	BF	NN	BL	BF	NN	BL	BF
Enclosure height (in.)											
60	•	•	•								
72	•	•	•	•		•					
84		•	•	•	•	•	•		•		
96				•	•	•	•	•	•	•	•

NN: clean bus, no lug pads
 BL: 1 set of lug pads
 BF: feedthrough, 2 sets of lug pads

Possible combinations of bus stack and plating type								
Bus height	16X			24X-32X-40X				
Bus type	1P-Silver	1P-Tin	3P-Silver	3P-Tin	1P-Silver	1P-Tin	3P-Silver	3P-Tin
Bus amperage								
250 A			•				•	•
400 A			•				•	•
600 A			•				•	•
800 A			•				•	•
1000 A			•				•	•
1200 A			•				•	•

1P-Silver: Single-phase silver plating
 1P-Tin: Single-phase tin plating
 3P-Silver: Three-phase silver plating
 3P-Tin: Three-phase tin plating

Upgraded offering:

Possible combinations of bus stack and enclosures

Bus height	16X			24X			32X			40X	
Bus type	NN	BL	NN	BL	BF	NN	BL	BF	NN	BL	BF
Enclosure height (in.)											
60	•	•	•								
72	•	•	•	•		•					
84		•	•	•	•	•	•		•		
96				•	•	•	•	•	•	•	•

NN: clean bus, no lug pads
 BL: 1 set of lug pads
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Possible combinations of bus stack and plating type

Bus height	16X				24X-32X-40X			
Bus type	1P-Silver	1P-Tin	3P-Silver	3P-Tin	1P-Silver	1P-Tin	3P-Silver	3P-Tin
Bus amperage								
250 A			•	•	•	•	•	•
400 A			•	•	•	•	•	•
600 A			•	•	•	•	•	•
800 A			•	•	•	•	•	•
1000 A			•	•	•	•	•	•
1200 A			•	•	•	•	•	•

1P-Silver: Single-phase silver plating
 1P-Tin: Single-phase tin plating
 3P-Silver: Three-phase silver plating
 3P-Tin: Three-phase tin plating

3. Availability

The new features are already available to the market, through empower. All the updated documents are available through the dedicated internal [launch portal](#). Download now the new catalog, brochure, and sales presentation!

Find more information on the technical catalog 1SQC900001C0201.