



POWER PANELBOARDS

ReliaGear® neXT

neXT power panel quick ship
selection guide



Panelboard details

ABB is a trusted partner and is adapting to current conditions to support our customers' demand for rapid response. The ReliaGear neXT power panelboard is available in multiple forms to meet your project needs. The neXT rapid response offering is a preconfigured subset of our power panel that can be shipped from our distribution center within 2 days so that you can get back to business. Please use the following to select your configuration.

The ReliaGear neXT quick-ship power panelboards can be used on the following system voltages:

- 600 Volts AC maximum
- 65KAIC maximum @ 480V and 600V

Available environmental enclosure types:

- NEMA 1 84"H x 45"W
- NEMA 3R 84"H x 45"W or 72"H x 40"W

Circuit breaker types:

- 3 pole: XT1, XT4, XT5, XT7 up to 1200A
- 1 and 2 pole: FB breakers up to 100A



Step 1

Select max ampacity and enclosure type

Panel SKU	Max ampacity	Main type	Feed location	System voltage	Enclosure type	Enclosure dimensions	Bus Material	Bus height	Ground	Neutral
1SQA005962R0001	1200	Main Lug ⁽¹⁾ 4x500MCM	Bottom ⁽²⁾	3p 4w, 600V 65 KAIC max ⁽³⁾	NEMA 3R	84" x 45" (HxW)	Heat Rated Cu	32X ⁽⁶⁾	47 wires, Al ⁽⁴⁾	1200A, Al ⁽⁵⁾
1SQA005963R0001	800	Main Lug ⁽¹⁾ 4x500MCM	Bottom ⁽²⁾	3p 4w, 600V 65 KAIC max ⁽³⁾	NEMA 3R	84" x 45" (HxW)	Heat Rated Cu	32X ⁽⁶⁾	47 wires, Al ⁽⁴⁾	1200A, Al ⁽⁵⁾
1SQA005964R0001	800	Main Lug ⁽¹⁾ 4x500MCM	Bottom ⁽²⁾	3p 4w, 600V 65 KAIC max ⁽³⁾	NEMA 1	84" x 45" (HxW)	Heat Rated Cu	32X ⁽⁶⁾	47 wires, Al ⁽⁴⁾	1200A, Al ⁽⁵⁾
1SQA005965R0001	600	Main Lug ⁽¹⁾ 2x500MCM	Bottom ⁽²⁾	3p 4w, 600V 65 KAIC max ⁽³⁾	NEMA 3R	72" x 40" (HxW)	Heat Rated Cu	24X ⁽⁶⁾	47 wires, Al ⁽⁴⁾	1200A, Al ⁽⁵⁾

- (1) Can be also used as horizontal main circuit breaker, with a loss of 4X space per side.
LGML45 wire range = (4) 250-500MCM
LGML25 wire range = (2) 250-500MCM
- (2) The interior is field reversible, refer to instruction manual and video manual links on page 6
- (3) Can be used as a 3 pole, 3 wire configuration removing the neutral
- (4) GDBG47AL, can be used with both Cu and Al wires
- (5) NL1210NSTNDAL, can be used with both Cu and Al wires. No Ground Fault option.
- (6) For 32X bus (a maximum of 56 X space is available for adding breakers). For 24X bus (a maximum of 40 X space is available for adding breakers).



Step 2

Select horizontal main and feeder circuit breakers (80% rated only)

US PN	Global ABB PN	Frame	Br Cap @480V	X Space	Poles	Amps	Trip Unit	Phase
XT1HU3015AYD000XXX ⁽¹⁾	1SDX051540R1 ⁽¹⁾	XT1	H (65kA)	3	3	15	TMF	--
XT1HU3020AYD000XXX ⁽¹⁾	1SDX051541R1 ⁽¹⁾	XT1	H (65kA)	3	3	20	TMF	--
XT1HU3030AYD000XXX ⁽¹⁾	1SDX051543R1 ⁽¹⁾	XT1	H (65kA)	3	3	30	TMF	--
XT1HU3040AYD000XXX ⁽¹⁾	1SDX051545R1 ⁽¹⁾	XT1	H (65kA)	3	3	40	TMF	--
XT1HU3050AYD000XXX ⁽¹⁾	1SDX051547R1 ⁽¹⁾	XT1	H (65kA)	3	3	50	TMF	--
XT1HU3060AYD000XXX ⁽¹⁾	1SDX051548R1 ⁽¹⁾	XT1	H (65kA)	3	3	60	TMF	--
XT1HU3070AYD000XXX ⁽¹⁾	1SDX051549R1 ⁽¹⁾	XT1	H (65kA)	3	3	70	TMF	--
XT1HU3100AYD000XXX ⁽¹⁾	1SDX051552R1 ⁽¹⁾	XT1	H (65kA)	3	3	100	TMF	--
XT1HU3125AYD000XXX ⁽¹⁾	1SDX051554R1 ⁽¹⁾	XT1	H (65kA)	3	3	125	TMF	--
XT4HU3060EYG000XXX	1SDX051596R1	XT4	H (65kA)	3	3	60	Ekip LS/I	--
XT4HU3100EYJ000XXX	1SDX051607R1	XT4	H (65kA)	3	3	100	Ekip LS/I	--
XT4HU3150EYJ000XXX	1SDX051617R1	XT4	H (65kA)	3	3	150	Ekip LS/I	--
XT4HU3225EYJ000XXX	1SDX051627R1	XT4	H (65kA)	3	3	225	Ekip LS/I	--
XT4HU3250EYL000XXX	1SDX051633R1	XT4	H (65kA)	3	3	250	Ekip LS/I	--
XT5HU330ABYN000XXX	1SDX052064R1	XT5	H (65kA)	4	3	300	TMA	--
XT5HU340ABYN000XXX	1SDX052069R1	XT5	H (65kA)	4	3	400	TMA	--
XT5HU350BBYN000XXX	1SDX052074R1	XT5	H (65kA)	4	3	500	TMA	--
XT5HU360BBYN000XXX	1SDX052075R1	XT5	H (65kA)	4	3	600	TMA	--
XT7HU380CFYW000XXX	1SDX052323R1	XT7	H (65kA)	6	3	800	Ekip Dip LSI	--
XT7HU310DFYW000XXX	1SDX052353R1	XT7	H (65kA)	6	3	1000	Ekip Dip LSI	--
XT7HU312EFYW000XXX	1SDX052383R1	XT7	H (65kA)	6	3	1200	Ekip Dip LSI	--
NEFBN16TE020R2A	1SQA001023R0001	FB 1p	N (65kA)	1	1	20	TMF	A
NEFBN16TE030R2A	1SQA001035R0001	FB 1p	N (65kA)	1	1	30	TMF	A
NEFBN16TE020R2B	1SQA001098R0001	FB 1p	N (65kA)	1	1	20	TMF	B
NEFBN16TE030R2B	1SQA001104R0001	FB 1p	N (65kA)	1	1	30	TMF	B
NEFBN16TE020R2C	1SQA001137R0001	FB 1p	N (65kA)	1	1	20	TMF	C
NEFBN16TE030R2C	1SQA001143R0001	FB 1p	N (65kA)	1	1	30	TMF	C
NEFBN26TE020R2AB	1SQA001026R0001	FB 2p	N (65kA)	2	2	20	TMF	AB
NEFBN26TE030R2AB	1SQA001038R0001	FB 2p	N (65kA)	2	2	30	TMF	AB
NEFBN26TE040R2AB	1SQA001050R0001	FB 2p	N (65kA)	2	2	40	TMF	AB
NEFBN26TE050R2AB	1SQA001062R0001	FB 2p	N (65kA)	2	2	50	TMF	AB
NEFBN26TE060R2AB	1SQA001068R0001	FB 2p	N (65kA)	2	2	60	TMF	AB
NEFBN26TE100R2AB	1SQA001092R0001	FB 2p	N (65kA)	2	2	100	TMF	AB
NEFBN26TE020R2BC	1SQA001176R0001	FB 2p	N (65kA)	2	2	20	TMF	BC
NEFBN26TE030R2BC	1SQA001182R0001	FB 2p	N (65kA)	2	2	30	TMF	BC
NEFBN26TE040R2BC	1SQA001188R0001	FB 2p	N (65kA)	2	2	40	TMF	BC
NEFBN26TE050R2BC	1SQA001194R0001	FB 2p	N (65kA)	2	2	50	TMF	BC
NEFBN26TE060R2BC	1SQA001197R0001	FB 2p	N (65kA)	2	2	60	TMF	BC
NEFBN26TE100R2BC	1SQA001209R0001	FB 2p	N (65kA)	2	2	100	TMF	BC
NEFBN26TE020R2AC	1SQA001215R0001	FB 2p	N (65kA)	2	2	20	TMF	AC
NEFBN26TE030R2AC	1SQA001221R0001	FB 2p	N (65kA)	2	2	30	TMF	AC
NEFBN26TE040R2AC	1SQA001227R0001	FB 2p	N (65kA)	2	2	40	TMF	AC
NEFBN26TE050R2AC	1SQA001233R0001	FB 2p	N (65kA)	2	2	50	TMF	AC
NEFBN26TE060R2AC	1SQA001236R0001	FB 2p	N (65kA)	2	2	60	TMF	AC
NEFBN26TE100R2AC	1SQA001248R0001	FB 2p	N (65kA)	2	2	100	TMF	AC

(1) SR1XBF mounting bracket required for each XT1 ordered



Select accessories

SKU Converted from Alt	SKU	Description	Notes
1SQA000569R0001	GC45F32BLS	Standard locking doors gutters 45" 32X	Not suitable if XT7 is selected
1SQA000497R0001	GC40F32BLS	Standard locking doors gutters 40" 32X	
1SQA000488R0001	GC40F24BLS	Standard locking doors gutters 40" 24X	
1SQA001004R0001	SR1XBF	Mounting rail and filler XT1	To be ordered with each XT1 breaker
1SDA105098R1	1SDA105098R1	XT5 PADLOCKS DEVICE OP/CL	
1SDA105104R1	1SDA105104R1	XT7 PADLOCKS DEVICE OPEN	
1SDA066591R1	1SDA066591R1	XT1 PADLOCKS DEVICE OP/CL	
1SDA066592R1	1SDA066592R1	XT4 PADLOCKS DEVICE OP/CL	
1SDA104934R1	1SDA104934R1	XT5 Shunt Trip 120-240 VAC/DC	
1SDA066324R1	1SDA066324R1	XT1-XT4 Shunt Trip 110-127 VAC/DC	
1SDA073672R1	1SDA073672R1	XT7 Shunt trip 110-120 VAC/DC	

Step 3

Order using empower.abb.com



ORDERING AND LOGISTICS

Enter through empower quote

Once you've selected the ampacity and bus types as well as the circuit breakers you require in steps 1 and 2, add these catalog numbers to your quote using the "catalog search" feature of empower. Your product will ship within two days from our distribution center.

- If you are placing an order that is critical for a COVID 19 response site, please place "CV19" in the beginning of the Order Name
- If you would like to identify the pallet, i.e. for a particular location or in reference to your 1-line, use the "Marks" field in the Empower Quote line item. This will appear on the label of the shipment.
- In order for the panel and breakers to be shipped together, the "Ship Options" will need to have "No, do not ship until all items are available" checked when you place your order.



Step 4

Assemble product on site



EASY TO INSTALL

Use these resources to help you during product assembly

Video assembly instructions

Product installation video

ReliaGear neXT – [Bus stack installation](#)

ReliaGear neXT – [Fronts and gutter doors installation](#)

ReliaGear neXT – [Branch circuit breaker installation](#)

ReliaGear neXT – [Ground and neutral installation](#)

ReliaGear neXT – [Interior frame installation](#)

ReliaGear neXT – [Field modification - top feed to bottom](#)

ReliaGear neXT – [Lug wire post installation](#)

ReliaGear neXT instruction sheets

Product installation sheet	Document number
Assembled interior option	1SQC900004M0201
Bulk pack option	1SQC900003M0201
Door-in-door front	1SQC900002M0201
Dual main lugs	1SQC900009M0201
Grounds and neutrals	1SQC900007M0201
NEMA 3R, 4, 4X and 12 enclosures	1SQC900008M0201
RELT unit	1SQC900005M0201
SPD unit	1SQC900006M0201
AMP1 main circuit breaker meter	1SQC900001M0201
Service entrance barrier	1SQC900010M0201

Product web site

<https://electrification.us.abb.com/products/panelboards/reliagear-next-power-panels>

Rapid response site

<https://electrification.us.abb.com/abb-rapid-response>

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01 Spring-loaded circuit breaker plug-in connectors

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02 Improved finger-safe bus stack that meets IP20 standards in select models



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**[electrification.us.abb.com/products/
panelboards/reliagear-next-power-panels](https://electrification.us.abb.com/products/panelboards/reliagear-next-power-panels)**

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