

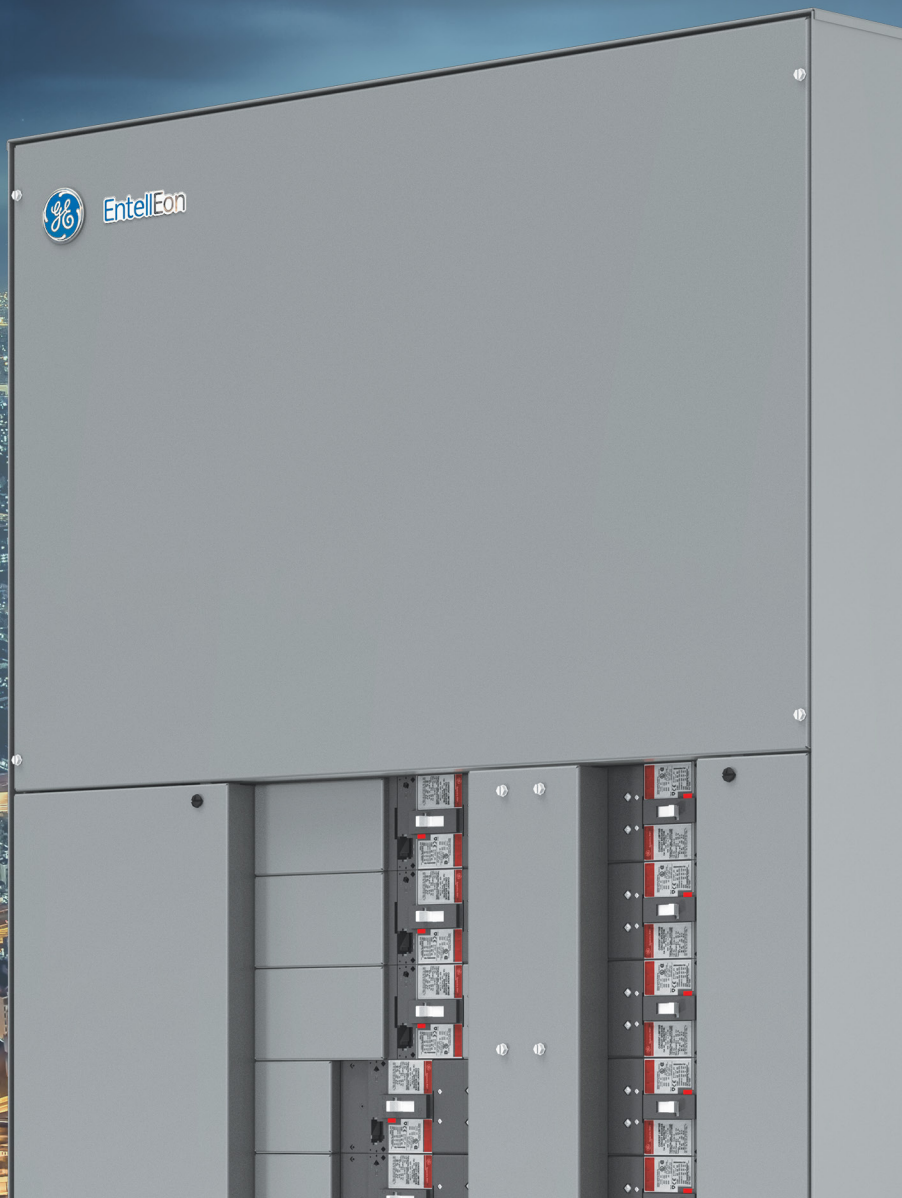
GE Energy Connections



# EntellEon\*

## Low Voltage Power Panel

### Stock Selection Guide



# Step 1

## Select Feeder Circuit Breakers

### Compatibility

INCOMING	HEIGHT	WIDTH	ORIENTATION	LEFT SIDE	RIGHT SIDE
Main lug 4 500MCM, 800A-1200A	32X	45"	Offset	SK ((4) 500MCM max), SG, SF, SE, FB 1&2Pole	SE, FB 1&2Pole
Main lug 4 500MCM, 800A-1200A	24X	45"	Offset	SK ((4) 500MCM max), SG, SF, SE, FB 1&2Pole	SE, FB 1&2Pole
Main Lug 2 500MCM, 400A-600A	24X	40"	Offset	SG, SF, SE, FB 1&2Pole	SE, FB 1&2Pole
Main Circuit Breaker 800A K	32X	45"	Offset	SK ((4) 500MCM max), SG, SF, SE, FB 1&2Pole	SE, FB 1&2Pole
Main Circuit Breaker 800A K	24X	45"	Offset	SK ((4) 500MCM max), SG, SF, SE, FB 1&2Pole	SE, FB 1&2Pole
Main Circuit Breaker 600A G	16X	40"/45"	Offset	SG, SF, SE, FB 1&2Pole	SE, FB 1&2Pole
Main Circuit Breaker 400A G	16X	40"/45"	Offset	SG, SF, SE, FB 1&2Pole	SE, FB 1&2Pole

Note: SG & SK Frames cannot be installed across from each other. Total feeder load should not be more than bus capacity.

#### MCB 32X

3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
2X	2X

#### MLO 32X

4X <sup>1</sup>	4X <sup>1</sup>
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
1X	1X

<sup>1</sup>For Main Lug Pads - not space for CBs

#### MCB 24X

3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X

#### MLO 24X

4X <sup>1</sup>	4X <sup>1</sup>
3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
2X	2X

<sup>1</sup>For Main Lug Pads - not space for CBs

#### MCB 16X

3X	3X
3X	3X
3X	3X
3X	3X
3X	3X
1X	1X

## Step 1 (Cont.)

### Select Feeders

CIRCUIT BREAKERS	UL LISTED KAIC		SIZE	CAT#
	240VAC	480VAC		
Spectra RMS SED 3P 600V 30A	18	18	3X	EZSEDA36AT0030
Spectra RMS SEH 3P 600V 30A	65	25	3X	EZSEHA36AT0030
Spectra RMS SEL 3P 600V 30A	100	65	3X	EZSELA36AT0030
Spectra RMS SEP 3P 600V 30A	200	100	3X	EZSEPA36AT0030
Spectra RMS SED 3P 600V 60A	18	18	3X	EZSEDA36AT0060
Spectra RMS SEH 3P 600V 60A	65	25	3X	EZSEHA36AT0060
Spectra RMS SEL 3P 600V 60A	100	65	3X	EZSELA36AT0060
Spectra RMS SEP 3P 600V 60A	200	100	3X	EZSEPA36AT0060
Spectra RMS SED 3P 600V 100A	18	18	3X	EZSEDA36AT0100
Spectra RMS SEH 3P 600V 100A	65	25	3X	EZSEHA36AT0100
Spectra RMS SEL 3P 600V 100A	100	65	3X	EZSELA36AT0100
Spectra RMS SEP 3P 600V 100A	200	100	3X	EZSEPA36AT0100
Spectra RMS SED 3P 600V 150A	18	18	3X	EZSEDA36AT0150
Spectra RMS SEH 3P 600V 150A	65	25	3X	EZSEHA36AT0150
Spectra RMS SEL 3P 600V 150A	100	65	3X	EZSELA36AT0150
Spectra RMS SEP 3P 600V 150A	200	100	3X	EZSEPA36AT0150
Spectra RMS SFH 3P 600V 250A	65	35	3X	EZSFHA36AT0250
Spectra RMS SFL 3P 600V 250A	100	65	3X	EZSFLA36AT0250
Spectra RMS SFP 3P 600V 250A	200	100	3X	EZSFPA36AT0250
Spectra RMS SGH 3P 600V 400A	65	35	4X	EZSGHA36AT0400
Spectra RMS SGHH 3P 600V 400A 100% Rated	65	35	4X	EZSGHH36AT0400
Spectra RMS SGL 3P 600V 400A	100	65	4X	EZSGLA36AT0400
Spectra RMS SGLL 3P 600V 400A 100% Rated	100	65	4X	EZSGLL36AT0400
Spectra RMS SGP 3P 600V 400A	200	100	4X	EZSGPA36AT0400
Spectra RMS SGP 3P 600V 400A 100% Rated	200	100	4X	EZSGPP36AT0400
Spectra RMS SGH 3P 600V 600A	65	35	4X	EZSGHA36AT0600
Spectra RMS SGL 3P 600V 600A	100	65	4X	EZSGLA36AT0600
Spectra RMS SGP 3P 600V 600A	200	100	4X	EZSGPA36AT0600
Spectra RMS SKH 3P 600V 800A	65	50	6X	EZSKHA36AT0800
Spectra RMS SKL 3P 600V 800A	100	65	6X	EZSKLA36AT0800

## Step 1 (Cont.)

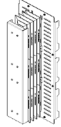
### Select Feeders

CIRCUIT BREAKERS	UL LISTED KAIC		SIZE	CAT#
	240VAC	480VAC		
FB A 60A	35	-	1X	EZFBV16TE060R2A
FB B 60A	35	-	1X	EZFBV16TE060R2B
FB C 60A	35	-	1X	EZFBV16TE060R2C
FB AB 60A	65	35	2X	EZFBV26TE060R2AB
FB BC 60A	65	35	2X	EZFBV26TE060R2BC
FB AC 60A	65	35	2X	EZFBV26TE060R2CA
FB A 100A	35	-	1X	EZFBV16TE100R2A
FB B 100A	35	-	1X	EZFBV16TE100R2B
FB C 100A	35	-	1X	EZFBV16TE100R2C
FB AB 100A	65	35	2X	EZFBV26TE100R2AB
FB BC 100A	65	35	2X	EZFBV26TE100R2BC
FB AC 100A	65	35	2X	EZFBV26TE100R2CA
FB A 60A	65	-	1X	EZFBN16TE060R2A
FB B 60A	65	-	1X	EZFBN16TE060R2B
FB C 60A	65	-	1X	EZFBN16TE060R2C
FB AB 60A	150	65	2X	EZFBN26TE060R2AB
FB BC 60A	150	65	2X	EZFBN26TE060R2BC
FB AC 60A	150	65	2X	EZFBN26TE060R2CA
FB A 100A	65	-	1X	EZFBN16TE100R2A
FB B 100A	65	-	1X	EZFBN16TE100R2B
FB C 100A	65	-	1X	EZFBN16TE100R2C
FB AB 100A	150	65	2X	EZFBN26TE100R2AB
FB BC 100A	150	65	2X	EZFBN26TE100R2BC
FB AC 100A	150	65	2X	EZFBN26TE100R2CA
FB A 60A	100	-	1X	EZFBH16TE060R2A
FB B 60A	100	-	1X	EZFBH16TE060R2B
FB C 60A	100	-	1X	EZFBH16TE060R2C
FB AB 60A	200	100	2X	EZFBH26TE060R2AB
FB BC 60A	200	100	2X	EZFBH26TE060R2BC
FB AC 60A	200	100	2X	EZFBH26TE060R2CA
FB A 100A	100	-	1X	EZFBH16TE100R2A
FB B 100A	100	-	1X	EZFBH16TE100R2B
FB C 100A	100	-	1X	EZFBH16TE100R2C
FB AB 100A	200	100	2X	EZFBH26TE100R2AB
FB BC 100A	200	100	2X	EZFBH26TE100R2BC
FB AC 100A	200	100	2X	EZFBH26TE100R2CA


## Step 2

### Select Bus Configuration

If Main Circuit Breaker, Select One of Each


BUS	HEIGHT	WIDTH	CAT#	PHOTO
400A Main Circuit Breaker <sup>1</sup>	16X	40"/45"	ENT1604NN3H2	
600A Main Circuit Breaker <sup>1</sup>	16X	40"/45"	ENT1606NN3H2	
800A Main Circuit Breaker <sup>1</sup>	24X	45"	ENT2408NN3H2	
800A Main Circuit Breaker <sup>1</sup>	32X	45"	ENT3208NN3H2	

<sup>1</sup>Horizontal Installation Only


MAIN CIRCUIT BREAKER	UL LISTED KAIC		CAT#	PHOTO
	240VAC	480VAC		
Spectra RMS SKH 3P 600V 800A <sup>1</sup>	65	50	EZSKHA36AT0800	
Spectra RMS SKL 3P 600V 800A	100	65	EZSKLA36AT0800	
Spectra RMS SGH 3P 600V 600A	65	35	EZSGHA36AT0600	
Spectra RMS SGL 3P 600V 600A	100	65	EZSGLA36AT0600	
Spectra RMS SGP 3P 600V 600A	200	100	EZSGPA36AT0600	
Spectra RMS SGH 3P 600V 400A	65	35	EZSGHA36AT0400	
Spectra RMS SGHH 3P 600V 400A 100% Rated	65	35	EZSGHH36AT0400	
Spectra RMS SGL 3P 600V 400A	100	65	EZSGLA36AT0400	
Spectra RMS SGLL 3P 600V 400A 100% Rated	100	65	EZSGLL36AT0400	
Spectra RMS SGP 3P 600V 400A	200	100	EZSGPA36AT0400	
Spectra RMS SGP 3P 600V 400A 100% Rated	200	100	EZSGPP36AT0400	

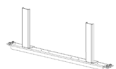
<sup>1</sup>SK Frame up to 800A only

If Main Lugs Only, Select One of Each

BUS	HEIGHT	WIDTH	CAT#	PHOTO
400A Main Lug Only <sup>1</sup>	24X	40"	ENT2404BL3H2	
600A Main Lug Only <sup>1</sup>	24X	45"	ENT2406BL3H2	
800A Main Lug Only <sup>1</sup>	24X	45"	ENT2408BL3H2	
1200A Main Lug Only <sup>1</sup>	24X	45"	ENT2412BL3H2	
800A Main Lug Only <sup>1</sup>	32X	45"	ENT3208BL3H2	
1200A Main Lug Only <sup>1</sup>	32X	45"	ENT3212BL3H2	

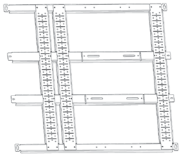
<sup>1</sup>For MLO, subtract 4X space

LUGS	CAT#	PHOTO
Main Lug 2 500MCM, 400A-600A	LUGML25	
Main lug 4 500MCM, 800A-1200A	LUGML45	

LUG WIRE POST	CAT#	PHOTO
40" Wide Offset	LWP40F	
45" Wide Offset	LWP45F	

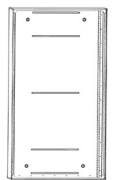
## Step 3

### Select Interior Frame

FRAME ORIENTATION	HEIGHT	WIDTH	CAT#	PHOTO
40" Offset	16X	40"	FRM1640F	
45" Offset	16X	45"	FRM1645F	
40" Offset	24X	40"	FRM2440F	
45" Offset	24X	45"	FRM2445F	
45" Offset	32X	45"	FRM3245F	


## Step 4

### Select Enclosure

ENCLOSURE DIMENSIONS	HEIGHT	WIDTH	CAT#	PHOTO
60" x 40"	16X	40"	ENC6040A	
60" x 45"	16X	45"	ENC6045A	
72" x 40"	24X	40"	ENC7240A	
72" x 45"	24X	45"	ENC7245A	
84" x 45"	32X	45"	ENC8445A	

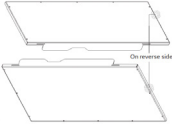
## Step 5

### Select Gutter Doors

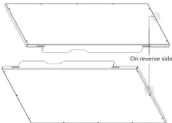
BUS CONFIGURATION	HEIGHT	WIDTH	CAT#	PHOTO
400A - 600A Offset Main Breaker	16X	40"	GUT40F16NNA	
400A - 600A Offset Main Breaker	16X	45"	GUT45F16NNA	
800A Offset Main Breaker	24X	45"	GUT45F24NNA	
800A Offset Main Breaker	32X	45"	GUT45F32NNA	
600A - 1200A Offset Main Lugs Only	24X	45"	GUT45F24BLA	
400A Offset Main Lugs Only	24X	40"	GUT40F24BLA	
800A - 1200A Offset Main Lugs Only	32X	45"	GUT45F32BLA	

## Step 6

### Select Front Covers

TOP FEED	HEIGHT	WIDTH	CAT#	PHOTO
400A Main Lug Only	24X	40"	FNT407224ML25ANFT	
600A Main Lug Only	24X	45"	FNT457224ML25ANFT	
800A Main Lug Only	24X	45"	FNT457224ML45ANFT	
1200A Main Lug Only	24X	45"	FNT457224ML45ANFT	
800A Main Lug Only	32X	45"	FNT458432ML45ANFT	
1200A Main Lug Only	32X	45"	FNT458432ML45ANFT	
Main Circuit Breaker 800A SK <sup>1</sup>	24X	45"	FNT457224HSK5ANFT	
Main Circuit Breaker 800A SK <sup>1</sup>	32X	45"	FNT458432HSK5ANFT	
Main Circuit Breaker 600A SG	16X	40"	FNT406016HSG5ANFT	
Main Circuit Breaker 600A SG	16X	45"	FNT456016HSG5ANFT	
Main Circuit Breaker 400A SG	16X	40"	FNT406016HSG5ANFT	
Main Circuit Breaker 400A SG	16X	45"	FNT456016HSG5ANFT	

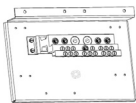
<sup>1</sup>SK Frame up to 800A only

BOTTOM FEED	HEIGHT	WIDTH	CAT#	PHOTO
400A Main Lug Only	24X	40"	FNT407224ML25ANFB	
600A Main Lug Only	24X	45"	FNT407224ML25ANFB	
800A Main Lug Only	24X	45"	FNT457224ML45ANFB	
1200A Main Lug Only	24X	45"	FNT457224ML45ANFB	
800A Main Lug Only	32X	45"	FNT458432ML45ANFB	
1200A Main Lug Only	32X	45"	FNT458432ML45ANFB	
Main Circuit Breaker 800A SK <sup>1</sup>	24X	45"	FNT457224HSK5ANFB	
Main Circuit Breaker 800A SK <sup>1</sup>	32X	45"	FNT458432HSK5ANFB	
Main Circuit Breaker 600A SG	16X	40"	FNT406016HSG5ANFB	
Main Circuit Breaker 600A SG	16X	45"	FNT456016HSG5ANFB	
Main Circuit Breaker 400A SG	16X	40"	FNT406016HSG5ANFB	
Main Circuit Breaker 400A SG	16X	45"	FNT456016HSG5ANFB	

<sup>1</sup>SK Frame up to 800A only

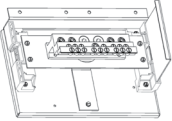
## Step 7

### Select Ground

GROUND	CAT#	PHOTO
800A 10 wire bonded ground	GRN08BG10	
1200A 47 wire bonded ground	GRN12BG47	
1200A 47 wire isolated ground	GRN12IG47	

## Step 8

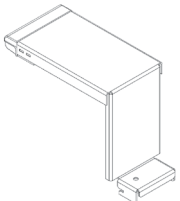
### Select Neutral

NEUTRAL	CAT#	PHOTO
up to 400A bonded Ntr	NEU04B0N	
600-1200A bonded Ntr	NEU12B0N	
up to 400A isolated Ntr	NEU04I0N	
600-1200A isolated Ntr	NEU12I0N	

## Step 9

### Select Blanks and Spacers Parts

Blank and specers required for offset side and blanks are only required for 30" wide enclosures and opposite side of offset. All circuit breakers come with their own spacer, only stock replacement spacer.

BLANKS AND SPACER	SIZE	CAT#	PHOTO
Blank and Spacer	1X	SPC1BF	
Blank and Spacer	2X	SPC2BF	
Blank and Spacer	3X	SPC3BF	
Blank	1X	SPC1BB	
Blank	2X	SPC2BB	
Blank	3X	SPC3BB	
Spacer	1X	SPC1EF	
Spacer	2X	SPC2EF	
Spacer (E frame)	3X	SPC3EF	
Spacer (F frame)	3X	SPC3FF	
Spacer (G frame)	4X	SPC4GF	



# Example A

## Main Lugs Only Example

BUS CONFIGURATION	CAT#	DESCRIPTION
480Vac, 65kAIC, 1200A, Bottom Feed	ENT2412BL3H2	Bus
	LUGML45	Lugs
	LWP45F	Wire Post

FEEDERS	CAT#	DESCRIPTION
Qty# 5 - 20A 3P	EZSELA36AT0030/SRPE30A20	CB w/ RP
Qty#1 - 800A 3P	EZSKLA36AT0800/SRPK800A800	CB w/ RP
	FRM2445F	Frame
	ENC7245A	Enclosure
	GUT45F24BLA	Gutter Covers
	FNT457224ML45ANFB	Front Covers
	GRN12BG47	Ground
	NEU12B0N	Neutral
	Qty#5 - SPC3BF	Blank and Spacer, 3X
	Qty#2 - SPC2BF	Blank and Spacer, 2X

### MLO 24X

2X - Blank & Spacer	2X - Blank & Spacer
3X - Blank & Spacer	3X - Blank & Spacer
3X - Blank & Spacer	3X - Blank & Spacer
3X - SE 20A	3X - Blank & Spacer
3X - SE 20A	3X - SE 20A
3X - SE 20A	6X - SK 800A
3X - SE 20A	
4X <sup>1</sup>	4X <sup>1</sup>

<sup>1</sup>Used for Main Lugs Pad

# Example B

## Main Circuit Breaker Example

BUS CONFIGURATION	CAT#	DESCRIPTION
480Vac, 65kAIC, 800A, Top Feed	EZSKLA36AT0800/SRPK800A800	MCB w/ RP
	ENT2408NN3H2	Bus

FEEDERS	CAT#	DESCRIPTION
5, 20A 3P	EZSELA36AT0030/SRPE30A20	CB w/ RP
1, 600A 3P	EZSGLA36AT0600/SRPG600A600	CB w/ RP
	FRM2445F	Frame
	ENC7245A	Enclosure
	GUT45F24NNA	Gutter Covers
	FNT457224HSK5ANFT	Front Covers
	GRN12BG47	Ground
	NEU12B0N	Neutral
	Qty#7 - SPC3BF	Blank and Spacer, 3X
	Qty#1 - SPC2BF	Blank and Spacer, 2X

### MCB 24X

6X SK 800A	3X - SE 20A
	3X - SE 20A
4X SG 600A	3X - SE 20A
2X - Blank & Spacer	3X - SE 20A
3X - Blank & Spacer	3X - SE 20A
3X - Blank & Spacer	3X - Blank & Spacer
3X - Blank & Spacer	3X - Blank & Spacer
3X - Blank & Spacer	3X - Blank & Spacer

## Reference documentation:

DEH0006882 - EntellEon Low Voltage Power Panel Installation Manual

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 DEP151, Rev. 03/2017