

FILTERS LPRX/LFPRX SERIES POWERLINE FILTERS



ETS-Lindgren's LPRX and LFPRX Series Powerline Filter panels are NEMA 1 type (for indoor controlled environments only) with two compartments to provide the necessary isolation for secure applications, and multiple types of panels for wall-mounted and floor-standing installations. These panels incorporate an RFI tight compartment (security well) that meets the highest performance criteria: a full 100 dB shielding effectiveness from 14 kHz to 40 GHz. Filter panels UL listed up to 400 A, unless otherwise noted. Filter Panels ETL listed at 600 A and above. Clean filtered power exits into the security well.

LPRX filters come with no feet/stand and are wall-mounted via cabinet tabs, while the LFPRX filters are provided with floor support with wall mounts still present. Feet/stands option are available for all amperage offerings, but are recommended for 250 A and above. (For clearance considerations, all added feet/stands raise the total height by 12"). Panel/cabinets may be ordered with a Penetration conduit for installation on a shielded room by adding /PEN to the model number (For example, LFPRX-4x400/PEN).

LPRX/LFPRX SERIES POWERLINE FILTERS

- Insertion Loss: 100 dB, 14 kHz to 40 GHz
- Max. Voltage Rating: 277 V (L-G), 480 V (L-L)
- Operating Frequency: 60 Hz
- Manufactured to the Most Current Version of UL-1283
- In Accordance with the Low Voltage Directive
- LPRX Powerline Filters Meet the Following Standards:
 - MIL-F-15733
 - MIL-STD-220
 - UL 1283
 - IEC 60939
 - LVD

Physical Specifications

Model	Case Height ("A")	Case Width ("B")	Case Depth ("C")	Approximate Weight
LPRX-2x5 ¹	91.4 cm (36.0 in)	30.5 cm (12.0 in)	15.2 cm (6.0 in)	31.8 kg (70.0 lb)
LPRX-3x5	91.4 cm (36.0 in)	61.0 cm (24.0 in)	15.2 cm (6.0 in)	43.1 kg (95.0 lb)
LPRX-4x5	91.4 cm (36.0 in)	61.0 cm (24.0 in)	15.2 cm (6.0 in)	54.4 kg (120.0 lb)
LPRX-2x10 ¹	91.4 cm (36.0 in)	30.5 cm (12.0 in)	15.2 cm (6.0 in)	31.8 kg (70.0 lb)
LPRX-3x10	91.4 cm (36.0 in)	61.0 cm (24.0 in)	15.2 cm (6.0 in)	43.1 kg (95.0 lb)
LPRX-4x10	91.4 cm (36.0 in)	61.0 cm (24.0 in)	15.2 cm (6.0 in)	54.4 kg (120.0 lb)
LPRX-2x30 ¹	91.4 cm (36.0 in)	30.5 cm (12.0 in)	15.2 cm (6.0 in)	36.3 kg (80.0 lb)
LPRX-3x30	91.4 cm (36.0 in)	61.0 cm (24.0 in)	15.2 cm (6.0 in)	49.9 kg (110.0 lb)
LPRX-4x30	91.4 cm (36.0 in)	61.0 cm (24.0 in)	15.2 cm (6.0 in)	63.5 kg (140.0 lb)
LPRX-2x60 ¹	121.9 cm (48.0 in)	76.2 cm (30.0 in)	21.6 cm (8.5 in)	63.5 kg (140.0 lb)
LPRX-3x60	121.9 cm (48.0 in)	76.2 cm (30.0 in)	21.6 cm (8.5 in)	90.7 kg (200.0 lb)
LPRX-4x60	121.9 cm (48.0 in)	76.2 cm (30.0 in)	21.6 cm (8.5 in)	117.9 kg (260.0 lb)
LPRX-2x100 ¹	121.9 cm (48.0 in)	40.6 cm (16.0 in)	21.6 cm (8.5 in)	68.0 kg (150.0 lb)
LPRX-3x100	121.9 cm (48.0 in)	76.2 cm (30.0 in)	21.6 cm (8.5 in)	97.5 kg (215.0 lb)
LPRX-4x100	121.9 cm (48.0 in)	76.2 cm (30.0 in)	21.6 cm (8.5 in)	127.0 kg (280.0 lb)
LPRX-2x150 ¹	142.2 cm (56.0 in)	50.8 cm (20.0 in)	30.5 cm (12.0 in)	131.5 kg (290.0 lb)
LPRX-3x150 ¹	142.2 cm (56.0 in)	99.1 cm (39.0 in)	30.5 cm (12.0 in)	188.2 kg (415.0 lb)
LPRX-4x150 ¹	142.2 cm (56.0 in)	99.1 cm (39.0 in)	30.5 cm (12.0 in)	244.9 kg (540.0 lb)
LPRX-2x200 ¹	142.2 cm (56.0 in)	50.8 cm (20.0 in)	30.5 cm (12.0 in)	149.7 kg (330.0 lb)
LPRX-3x200	142.2 cm (56.0 in)	99.1 cm (39.0 in)	30.5 cm (12.0 in)	217.7 kg (480.0 lb)
LPRX-4x200	142.2 cm (56.0 in)	99.1 cm (39.0 in)	30.5 cm (12.0 in)	285.8 kg (630.0 lb)
LPRX-2x225 ¹	142.2 cm (56.0 in)	50.8 cm (20.0 in)	30.5 cm (12.0 in)	149.7 kg (330.0 lb)
LPRX-3x225 ¹	142.2 cm (56.0 in)	99.1 cm (39.0 in)	30.5 cm (12.0 in)	217.7 kg (480.0 lb)
LPRX-4x225 ¹	142.2 cm (56.0 in)	99.1 cm (39.0 in)	30.5 cm (12.0 in)	285.8 kg (630.0 lb)
LPRX-2x250 ¹	142.2 cm (56.0 in)	50.8 cm (20.0 in)	30.5 cm (12.0 in)	149.7 kg (330.0 lb)
LPRX-3x250	142.2 cm (56.0 in)	99.1 cm (39.0 in)	30.5 cm (12.0 in)	217.7 kg (480.0 lb)
LPRX-4x250	142.2 cm (56.0 in)	99.1 cm (39.0 in)	30.5 cm (12.0 in)	285.8 kg (630.0 lb)

¹: Not UL Listed

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Physical Specifications

Model	Case Height ("A")	Case Width ("B")	Case Depth ("C")	Approximate Weight
LFPRX-2x225 ¹	142.2 cm (56.0 in)	50.8 cm (20.0 in)	30.5 cm (12.0 in)	163.37 kg (360.0 lb)
LFPRX-3x225 ¹	142.2 cm (56.0 in)	99.1 cm (39.0 in)	30.5 cm (12.0 in)	231.3 kg (520.0 lb)
LFPRX-4x225 ¹	142.2 cm (56.0 in)	99.1 cm (39.0 in)	30.5 cm (12.0 in)	299.4 kg (660.0 lb)
LFPRX-2x250 ¹	142.2 cm (56.0 in)	99.1 cm (39.0 in)	30.5 cm (12.0 in)	163.37 kg (360.0 lb)
LFPRX-3x250	142.2 cm (56.0 in)	99.1 cm (39.0 in)	30.5 cm (12.0 in)	231.3 kg (520.0 lb)
LFPRX-4x250	142.2 cm (56.0 in)	99.1 cm (39.0 in)	30.5 cm (12.0 in)	299.4 kg (660.0 lb)
LFPRX-2x400 ¹	188.0 cm (74.0 in)	99.1 cm (39.0 in)	35.6 cm (14.0 in)	172.4 kg (380.0 lb)
LFPRX-3x400	188.0 cm (74.0 in)	99.1 cm (39.0 in)	35.6 cm (14.0 in)	244.9 kg (540.0 lb)
LFPRX-4x400	188.0 cm (74.0 in)	99.1 cm (39.0 in)	35.6 cm (14.0 in)	317.5 kg (700.0 lb)
LFPRX-3x600	297.2 cm (117.0 in)	119.4 cm (47.0 in)	50.8 cm (20 in)	408.2 kg (900.0 lb)
LFPRX-4x600	297.2 cm (117.0 in)	119.4 cm (47.0 in)	50.8 cm (20 in)	453.6 kg (1000.0 lb)
LFPRX-3x800	274.3 cm (108.0 in)	119.4 cm (47.0 in)	61.0 cm (24 in)	589.7 kg (1300.0 lb)
LFPRX-4x800	274.3 cm (108.0 in)	119.4 cm (47.0 in)	61.0 cm (24 in)	680.4 kg (1500.0 lb)
LFPRX-3x1250	325.1 cm (128.0 in)	177.8 cm (70.0 in)	68.6 cm (27 in)	1360.8 kg (3000.0 lb)
LFPRX-4x1250	325.1 cm (128.0 in)	177.8 cm (70.0 in)	68.6 cm (27 in)	1678.3 kg (3700.0 lb)

¹: Not UL Listed

Electrical Specifications

Model	Stopband Insertion Loss	Number of Lines x Max. Current Rating
LPRX-2x5 ¹	100 dB, 14 kHz to 40 GHz	2 x 5 A
LPRX-3x5	100 dB, 14 kHz to 40 GHz	3 x 5 A
LPRX-4x5	100 dB, 14 kHz to 40 GHz	4 x 5 A
LPRX-2x10 ¹	100 dB, 14 kHz to 40 GHz	2 x 10 A
LPRX-3x10	100 dB, 14 kHz to 40 GHz	3 x 10 A
LPRX-4x10	100 dB, 14 kHz to 40 GHz	4 x 10 A
LPRX-2x30 ¹	100 dB, 14 kHz to 40 GHz	2 x 30 A
LPRX-3x30	100 dB, 14 kHz to 40 GHz	3 x 30 A
LPRX-4x30	100 dB, 14 kHz to 40 GHz	4 x 30 A
LPRX-2x60 ¹	100 dB, 14 kHz to 40 GHz	2 x 60 A
LPRX-3x60	100 dB, 14 kHz to 40 GHz	3 x 60 A
LPRX-4x60	100 dB, 14 kHz to 40 GHz	4 x 60 A
LPRX-2x100 ¹	100 dB, 14 kHz to 40 GHz	2 x 100 A
LPRX-3x100	100 dB, 14 kHz to 40 GHz	3 x 100 A
LPRX-4x100	100 dB, 14 kHz to 40 GHz	4 x 100 A
LPRX-2x150 ¹	100 dB, 14 kHz to 40 GHz	2 x 150 A
LPRX-3x150 ¹	100 dB, 14 kHz to 40 GHz	3 x 150 A
LPRX-4x150 ¹	100 dB, 14 kHz to 40 GHz	4 x 150 A
LPRX-2x200 ¹	100 dB, 14 kHz to 40 GHz	2 x 200 A
LPRX-3x200	100 dB, 14 kHz to 40 GHz	3 x 200 A
LPRX-4x200	100 dB, 14 kHz to 40 GHz	4 x 200 A
LPRX-2x225 ¹	100 dB, 14 kHz to 40 GHz	2 x 225 A
LPRX-3x225 ¹	100 dB, 14 kHz to 40 GHz	3 x 225 A
LPRX-4x225 ¹	100 dB, 14 kHz to 40 GHz	4 x 225 A
LPRX-2x250 ¹	100 dB, 14 kHz to 40 GHz	2 x 250 A
LPRX-3x250	100 dB, 14 kHz to 40 GHz	3 x 250 A
LPRX-4x250	100 dB, 14 kHz to 40 GHz	4 x 250 A

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Electrical Specifications

Model	Stopband Insertion Loss	Number of Lines x Max. Current Rating
LFPRX-2x225 ¹	100 dB, 14 kHz to 40 GHz	2 x 225 A
LFPRX-3x225 ¹	100 dB, 14 kHz to 40 GHz	3 x 225 A
LFPRX-4x225 ¹	100 dB, 14 kHz to 40 GHz	4 x 225 A
LFPRX-2x250 ¹	100 dB, 14 kHz to 40 GHz	2 x 250 A
LFPRX-3x250	100 dB, 14 kHz to 40 GHz	3 x 250 A
LFPRX-4x250	100 dB, 14 kHz to 40 GHz	4 x 250 A
LFPRX-2x400 ¹	100 dB, 14 kHz to 40 GHz	2 x 400 A
LFPRX-3x400	100 dB, 14 kHz to 40 GHz	3 x 400 A
LFPRX-4x400	100 dB, 14 kHz to 40 GHz	4 x 400 A
LFPRX-3x600	100 dB, 14 kHz to 40 GHz	3 x 600 A
LFPRX-4x600	100 dB, 14 kHz to 40 GHz	4 x 600 A
LFPRX-3x800	100 dB, 14 kHz to 40 GHz	3 x 800 A
LFPRX-4x800	100 dB, 14 kHz to 40 GHz	4 x 800 A
LFPRX-3x1250	100 dB, 14 kHz to 40 GHz	3 x 1250 A
LFPRX-4x1250	100 dB, 14 kHz to 40 GHz	4 x 1250 A

¹: Not UL Listed

LPRX/LFPRX Dimensions Reference Drawing

