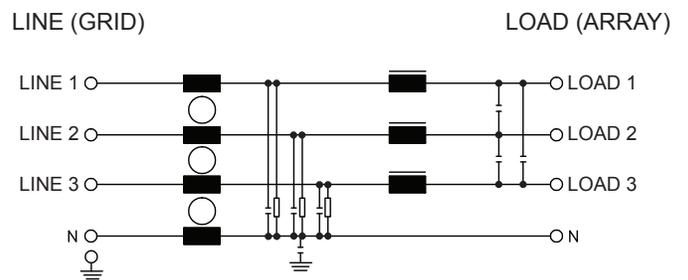


Radius Power Line Filter

In commercial applications, the **LCF-250-PC Line Filter**, manufactured by Radius Power, separates power line communication domains across the Enphase Microinverter™ installation when multiple Enphase Envoy™ are located on a single utility transformer or when site loads generate electrical noise that disrupt communications. The integrated phase coupler allows microinverter power line communication to bridge phases.



Schematic



Connect both the Enphase Envoy and Enphase Microinverters on the array or load side of the filter, and wire the utility feed to the line side of the filter.

Radius Power Line Filter

MODEL NUMBERS

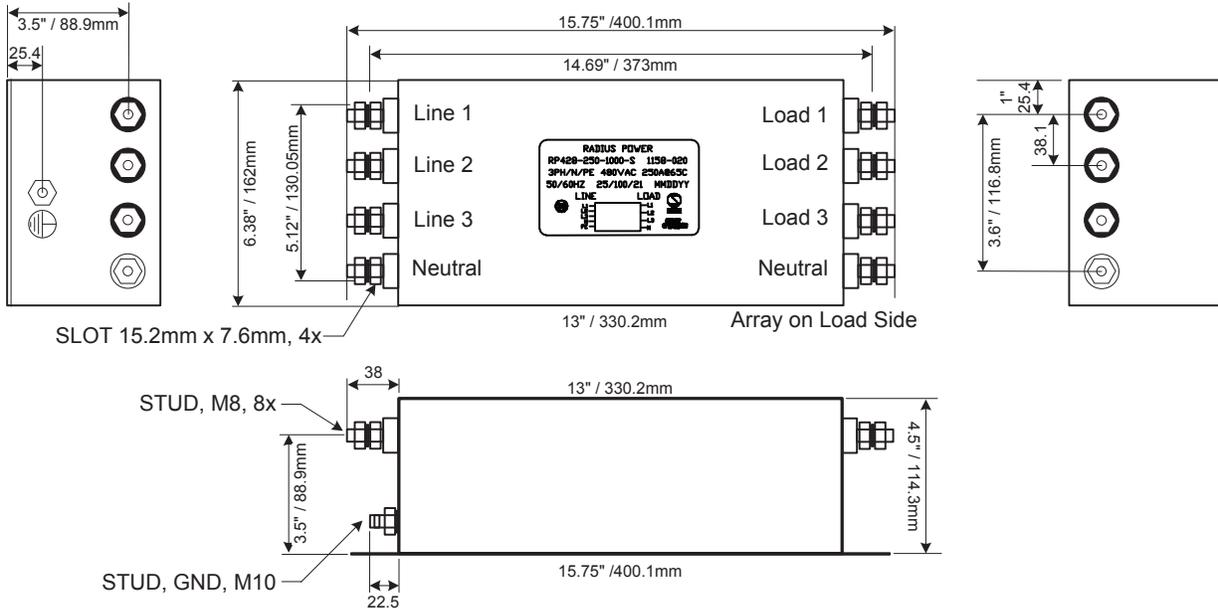
LCF-250-PC Three-phase line communication filter, 250A, with PLC coupling

SPECIFICATIONS

Maximum current per line	250 A (temperature adjusted to 65° C)
Maximum voltage	480 VAC + 10%
Frequency	50/60 Hz
Power dissipation	75 W max (current dependent)
Ambient temperature range	-40° to 65° C
Weight	13.6 kg
Dimensions	400.1 x 162 x 114.3 mm (15.75" x 6.36" x 4.5")
Phase coupler	Integrated (on load side)
RoHS / Safety	Yes / cURus, EN60939
Terminal style / size	Stud / M10
Typical leakage current	<10mA (480 V / 6w0 Hz or 50Hz)

INSERTION LOSS, dB

Frequency (MHZ)	0.1	0.6	1.0	10	30
Common mode, dB	28	70	48	22	14
Differential mode, dB	56	>80	74	50	28



To learn more about Enphase offerings, visit enphase.com