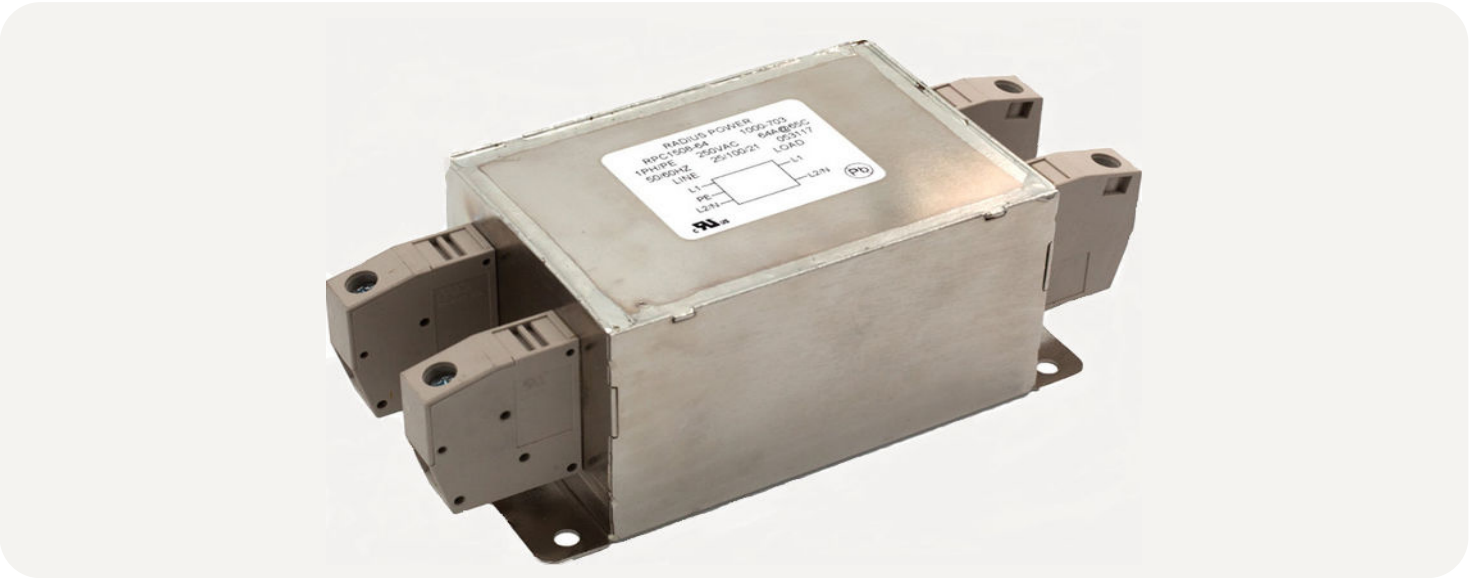
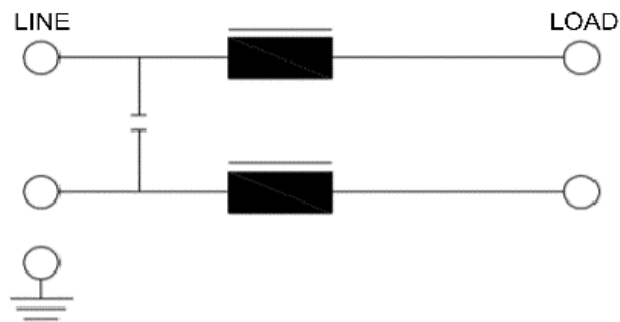




Power Line Filter Q-LCF-064-1P

In residential applications, the Power Line Filter Q-LCF-064-1P, manufactured by Radius Power, separates power line communication (PLC) domains across the Enphase microinverter installation when multiple IQ Gateways are located on a single utility transformer or when site loads generate electrical noise that disrupts communications. Suitable for use with M Series, S Series, IQ6, IQ7, and IQ8 Series Microinverters.

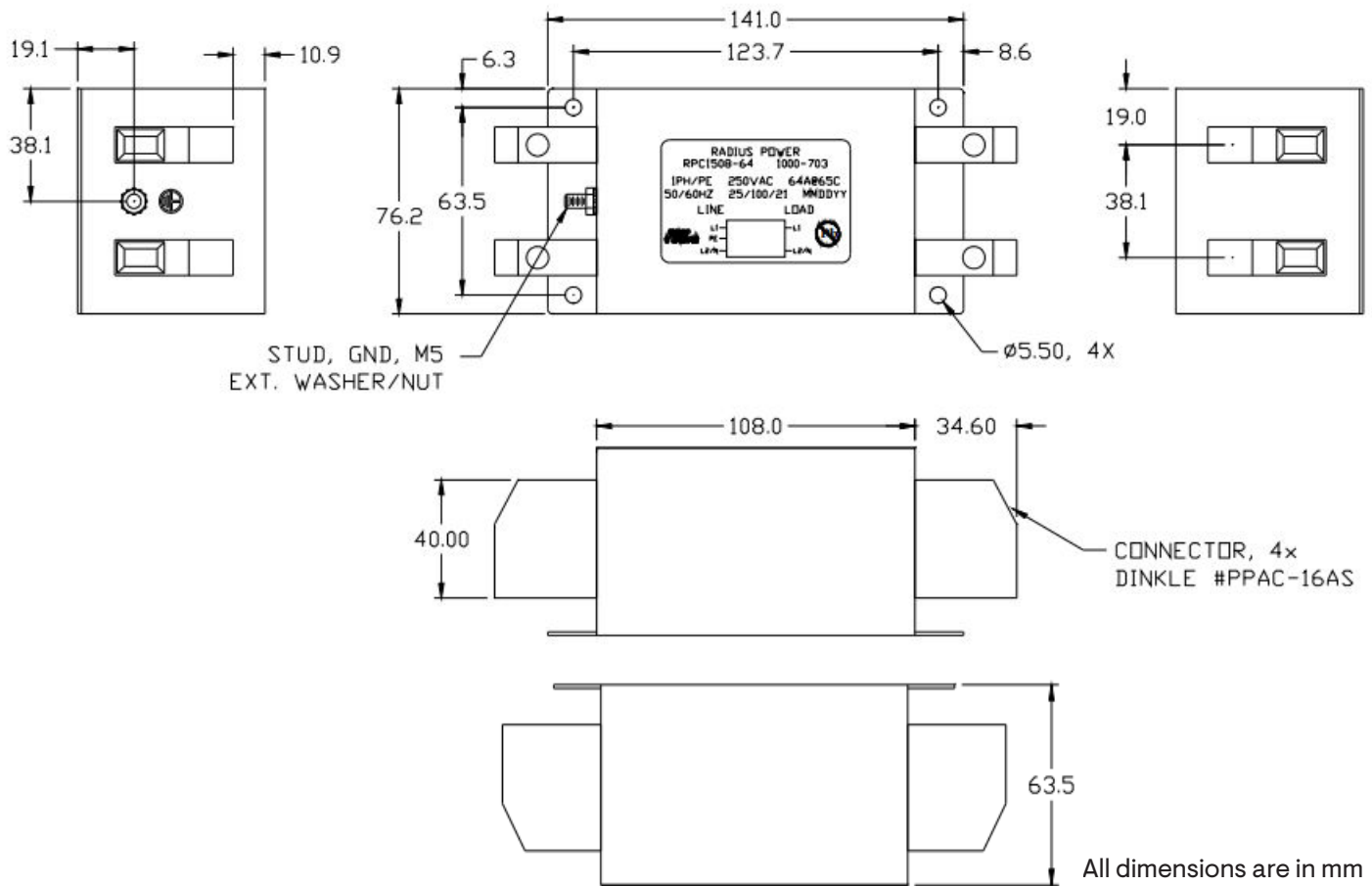
Schematic



Connect both Enphase IQ Gateway and Enphase microinverters on the array or load side of the filter and wire the utility feed to the line side of the filter.

Power Line Filter

MODEL NUMBER	
Q-LCF-064-1P	Single line communication filter, 64 A, suitable for use with M Series, S Series, IQ6, IQ7, and IQ8 Series Microinverters
SPECIFICATIONS	
Maximum current per line	64 A (temperature adjusted to 65°C)
Maximum voltage	250 VAC + 10%
Frequency	50/60 Hz
Power dissipation	25 W max (current dependent)
Ambient temperature range	-40°C to 65°C (-40°F to 149°F)
Weight	1.5 kg (3.30 lbs)
Dimensions	141 mm × 76.2 mm × 63.5 mm (5.55" × 3.00" × 2.5")
RoHS/Safety	Yes/cURus, EN60939
Terminal style/size	PPAC-16AS



- Recommended conductor size for 64 A continuous is AWG 7/0.
- Mount in an appropriate enclosure using the mounting holes.

To learn more about Enphase offerings, visit enphase.com

Revision history

REVISION	DATE	DESCRIPTION
DSH-00043-1.0	May 2023	Initial release