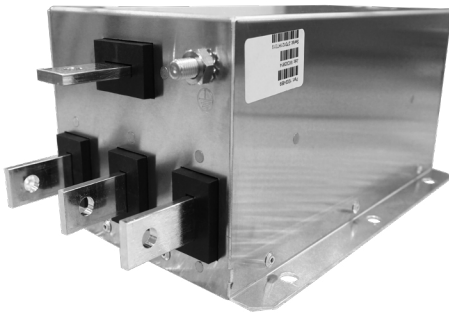
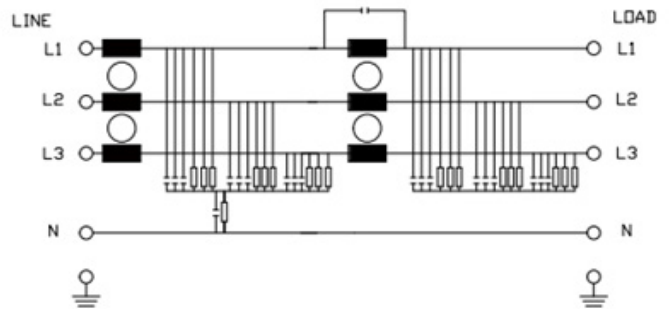


## PLC Line Filter

In commercial applications, the **QD-LCF-400-3P Line Filter**, manufactured by Astrodyne, separates power line communication domains across the Enphase IQ8P-3P or IQ8H-3P Microinverters installation when multiple Enphase IQ Gateway Commercial 2 are located on a single utility transformer or when site loads generate electrical noise that disrupt communications.



Schematic



Connect both the Enphase IQ Gateway Commercial 2 and Enphase IQ8P-3P or IQ8H-3P Microinverters on the array or load side of the filter, and wire the utility feed to the line side of the filter.

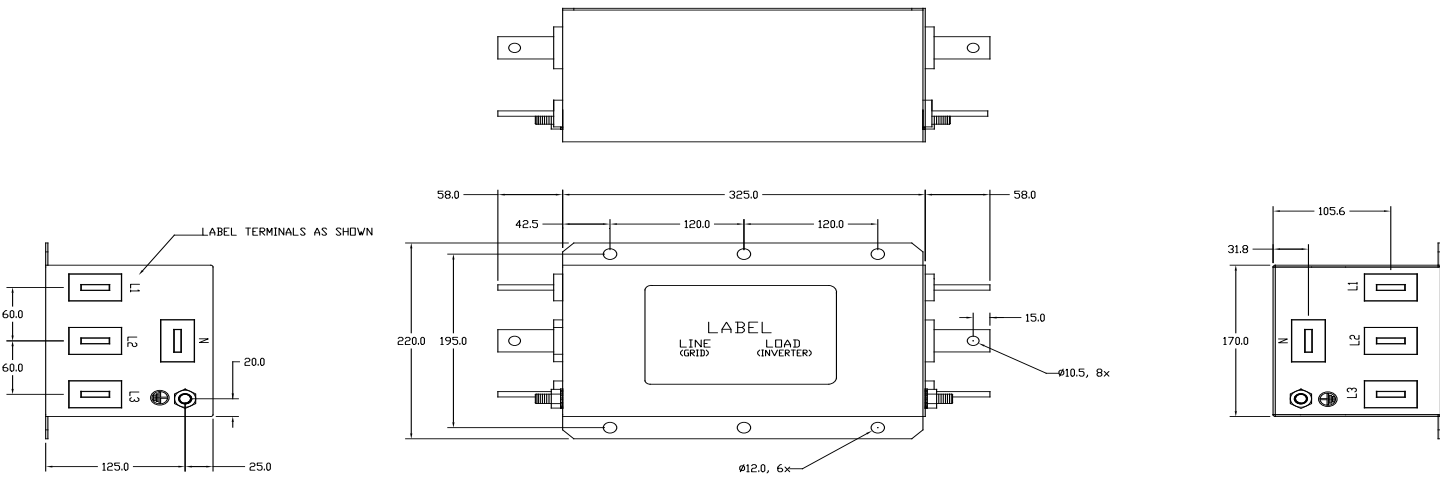
# PLC Line Filter

## MODEL NUMBERS

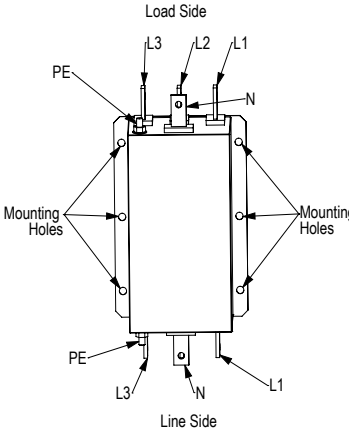
QD-LCF-400-3P	Three-phase line communication filter, 400A, suitable for use with IQ8P-3P or IQ8H-3P Microinverters only.
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## SPECIFICATIONS

Maximum continuous current per line	400 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	31.0LB / 14.1KG
Dimensions	441mm x 170mm x 150mm (17.36" x 6.69" x 5.90")
Phase coupler	Not required
RoHS / Safety	Yes / cURus, EN60939
Terminal style / size	Ground terminal = M10, bus bar = 25mm with M10 bolt
Typical leakage current	<10mA (480 V / 6w0 Hz or 50Hz)
Insertion Loss (80kHz - 130kHz)	>50dB
Impedence (80kHz - 130kHz)	>100Ω



Recommended torque for M10 terminals is 18 Nm (160 in-lb)  
 Recommended conductor size for 400A continuous is 500kcmil  
 Mount in an appropriate enclosure using the mounting holes



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