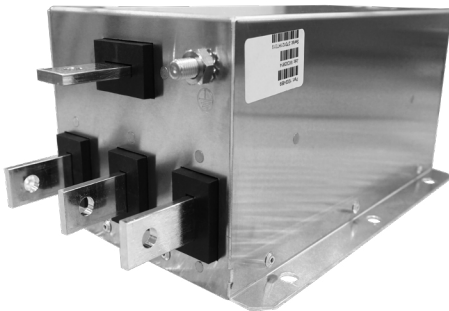
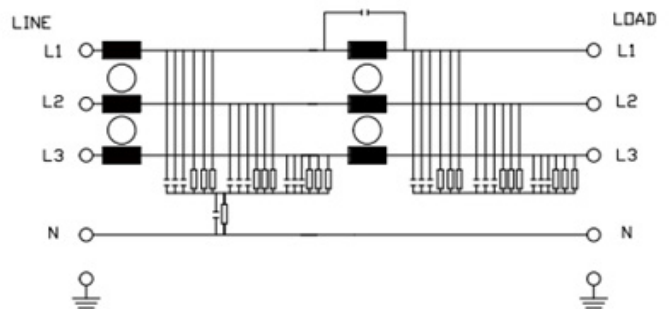


PLC Line Filter

In commercial applications, the **QD-LCF-400-3P Line Filter**, manufactured by Astrodyne, separates power line communication domains across the Enphase IQ8 Commercial Microinverter 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 IQ8 Commercial 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

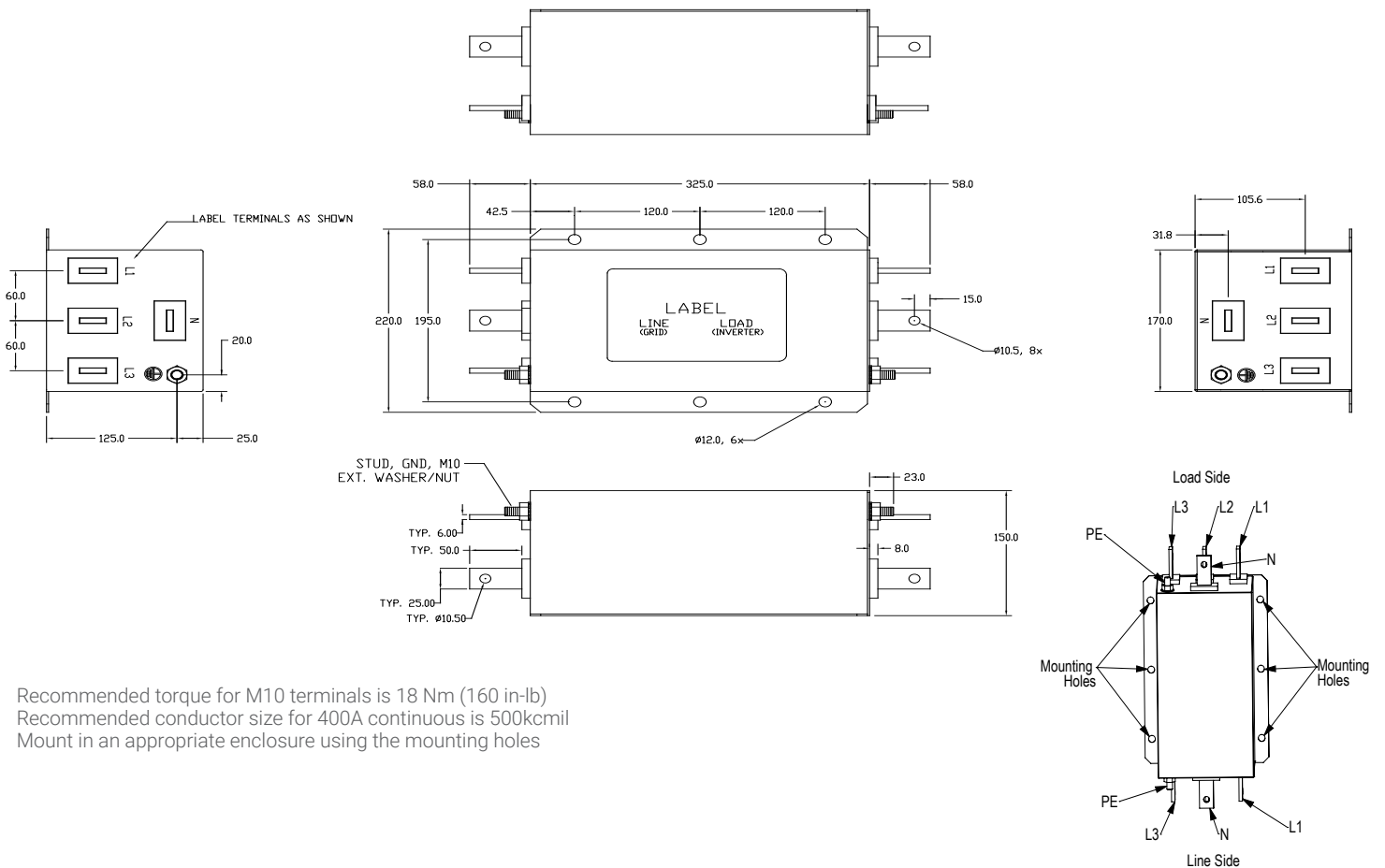
MODEL NUMBERS

QD-LCF-400-3P

Three-phase line communication filter, 400A, suitable for use with IQ8D microinverters only.

SPECIFICATIONS

Maximum continuous 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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