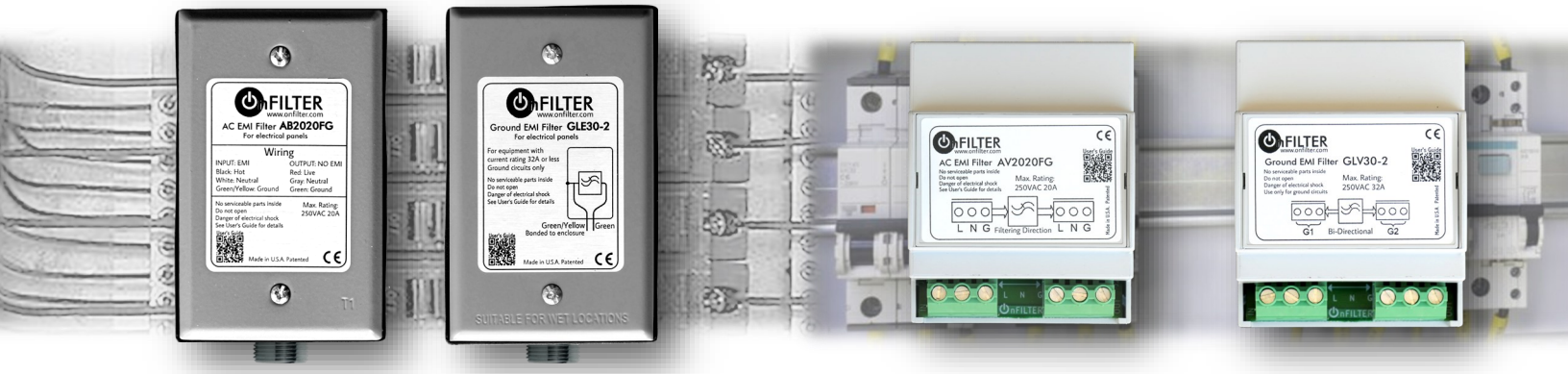
CleanSweep® EMI Filters
for Circuit Breaker/Power Entry Panels

www.onfilter.com



AB2020FG
AC + Ground 250VAC 20A

GLE30-2
Ground 32A

AV2020FG
AC + Ground 250VAC 20A

GLV30-2
Ground 32A

Clean EMI-Free Power and Ground for Every Power Branch

OnFILTER' patented CleanSweep branch filters for power entry panels provide noise-free power and ground to individual power branches. Alternatively, they can block EMI from a noisy equipment in a particular branch from polluting your entire power and ground network.

Protecting from EMI each individual power branch (both AC voltage and ground) is the most effective and economical way to reduce operational problems and audio/video artifacts.

We offer filters in single gang boxes (mostly for the U.S. and Canada), and in DIN rail form-factor—this works for the majority of worldwide power distribution.

There are more and more sources of EMI: VFD motors in appliances, inverters in solar panels, EV chargers, switched mode power supplies (SMPS) in every equipment, LED lights, and so on. Yet, electronics is becoming more and more sensitive to EMI.

Highly-effective and easy-to-install CleanSweep® EMI filters solve EMI problems for power branches for good, requiring no maintenance.

CleanSweep® EMI Filters for Power Branches

Applications

- Electrical Panels
- Industrial control
- Utilities
- Residential
- Office
- Building Management
- Wherever EMI is a problem

Features

- Optimized for real-life power lines
- Effective EMI suppression in real-life applications
- Both power and ground EMI suppression
- Easy installation

Stop Propagation of EMI

CleanSweep® EMI filters block EMI on AC power and ground from getting to your sensitive equipment, improving its performance

Improved Operation

OnFILTER' CleanSweep® filters reduce equipment malfunctions caused by EMI and increase its performance by providing clean power

Reduction of Artifacts

High levels of EMI and transients on power lines produce undesirable audible artifacts in sound systems. CleanSweep® filters block interference from getting to your systems.

AC Power and Ground

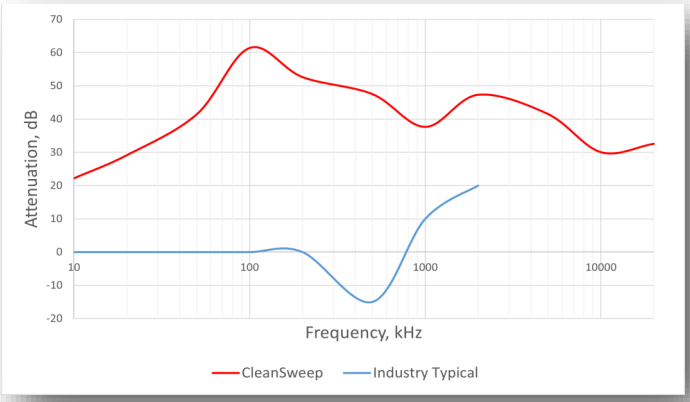
OnFILTER' patented CleanSweep® EMI filters provide effective suppression for both AC power and ground

Specification

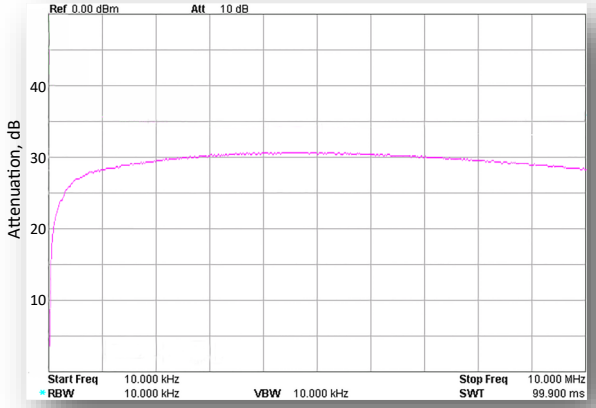
OnFILTER CleanSweep® filters utilize patented technology to provide maximum noise suppression in real-life installations.

	AC Power and Ground		Ground Only	
Parameter	**AB2020FG**	**AV2020FG**	**GLE30-2**	**GLV30-2**
Rated Voltage, RMS	250V max.	250V max	N/A	N/A
Rated Current, RMS	20A max.	20A max.	32A	32A
Leakage Current	<0.5 mA	<0.5 mA	N/A	N/A
Mount	Single-gang box	DIN Rail	Single-Gang Box	DIN Rail
Termination	Wire AWG12	Terminal Block Wire AWG10	Terminal Block	
Size (LxWxD)	4.63*2.83*3.04” 117*72*77mm	3.57*2.84*2.32” 91*72*61mm	4.63*2.83*3.04” 117*72*77mm	3.57*2.84*2.32” 91*72*61mm

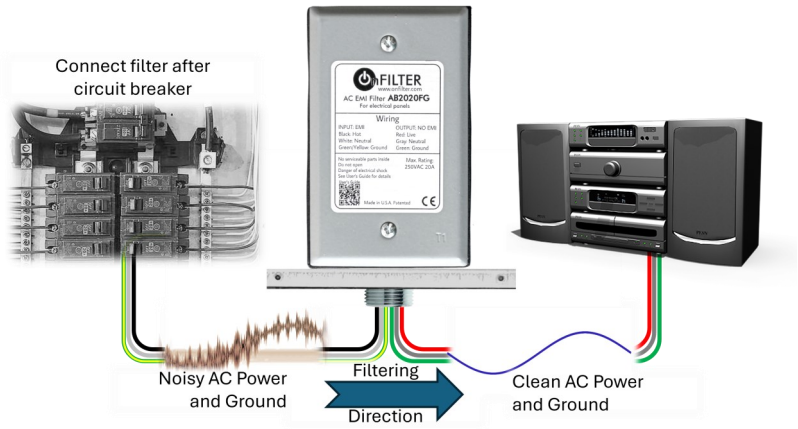
Typical Performance of AB2020FG/AV2020FG in 1/100 Ohms Connection (Real-Life Power Line)



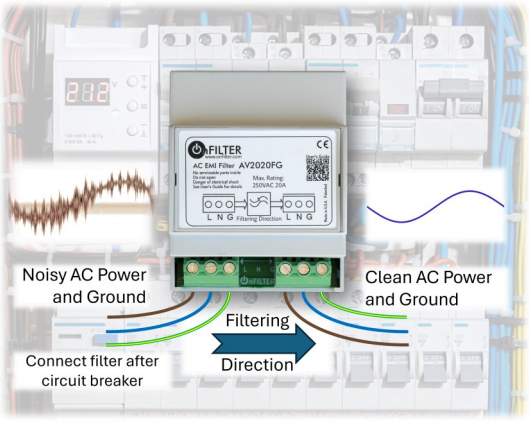
All Models
Typical Ground EMI Current Reduction



Typical Connection of AB2020FG AC EMI Filter



Typical Connection of AV2020FG AC EMI Filter



To block EMI generated by a noisy load from polluting your entire AC/ground network, simply reverse wiring connection. Filters are unidirectional—they attenuate EMI in one direction (shown)

For other applications, such as industrial control panels, see our family of UL 508A—compliant EMI filters

- AC
- Ground
- DC
- Motion Control
- Power Line Communication
- Data

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