

TECH NOTE

From Zero Surge Inc.

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Generator Power

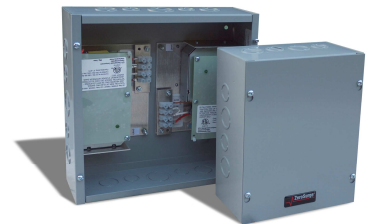
Typical surge protectors require the ground line which is not always present with generator set-ups. They also cannot operate over a wide voltage range and, therefore, should not be used with standby generator power. Catastrophic fires have occurred because the components could not handle the up and down voltage of the generator.



Zero Surge's filter technology, however, does not use the ground and incorporates Spectrum Wide Voltage Range (WVR) Technology. It was designed specifically with generator power in mind as well as the operating range of switch mode power supplies (85V-175V). When switching over to generator power, you can rest assured that the dirty power is being filtered and your computer, home theater, medical device, or any other sensitive equipment you are running is fully protected.

Hard-wired Applications

On applications where a transfer switch feeds an emergency sub-panel, Zero Surge's FF1-20W-240UB is hard-wired to 2-20A branch circuits or the FF1-100W-120B is hard-wired to 5-20A branch circuits that run the sensitive electronics. On any remaining circuits, Zero Surge's plug-in models can be used if required.



Plug-in Applications

If the generator cord is 20A, a Zero Surge 2R20W (2 outlets for 2 protected loads, 20A capacity) or 8R20W (8 outlets for 8 protected loads, 20A capacity) can be used. Repeat this set-up for other outlets on the generator.



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