

RxDNA-V2X Install Manual and Brochure ^{R4b}

Palma Engineering
(Noble Electronics, Inc, Midwest Research Corp)



Introduction

The RxDNA-V2X parallel filter, is the latest and by far, the most effective parallel filtering device to reduce Dirty Electricity (DE). It is a significant variation (improved attenuation) on the existing RxDNA-V2 parallel filter (the latter of which is still available).

Inspiration

The creation of the RxDNA-V2X was driven by:

- the ever present "desire" by Dealers and Customers to have a simple "plug it in a wall socket" filter as opposed to a much more complicated and costly install of a DNA Line Filter by an Electrician.
- the usefulness of a Dealer being able to directly demonstrate what the filter product will do, i.e. for a specific parallel filter, prior to the Customer's decision to acquire the filters, (the M7 Universal Test set notwithstanding).
- the ever present "desire" by Dealers and Customers to have the lowest cost filter that actually accomplishes useful attenuation (reduction) of DE, particularly from solar/wind inverters.

Background

Many years ago, Dealers of our parallel products found that the attenuation that the parallel devices provided was not sufficient for solar/wind inverter applications when there were Electro-Sensitive people involved. This brought about the birth of the DNA Line Filter product line, which has proved to be very effective.

Recently, we at Palma Engineering have been contacted by many individuals who installed solar/wind systems, not knowing about DE, and are now in something of a panic, wanting to "do something" to reduce the DE fields that they are living within. And yes, they exhibited "sticker shock" at the cost and complication of a DNA Line Filter installation.

Birth of The RxDNA-V2X

Every known design principle, circuit architecture, and "trick in the book" was poured into the RxDNA-V2X. This new parallel filter (RxDNA-V2X) has significantly more attenuation of DE, than the existing Rx-DNA-V2. **The RxDNA-V2X is specifically targeted at solar and wind applications, where 2 each RxDNA-V2X's are installed at the Main circuit breaker panel, one on each of the incoming phases (aka Legs).**

Dirty Electricity Reduction Field Data

The performance of the RxDNA-V2X parallel filter has been tested in the field at sites where solar was installed.

Follow the link below and you can access the test report(s).

Installation

We envision that 2 standard outlets will be installed at the Main circuit breaker panel with one outlet on one phase, and the other outlet on the other phase. Then, a RxDNA-V2X will be plugged into each outlet. NOTE: total of 2 each RxDNA-V2X's.

Mechanical

Dimensions: 4 x 4 x 6 inches

Approximate Weight: 3 lbs.

Electrical

120 VAC or 250 VAC. 50/60 Hz

Idle Current (Reactive) at 120 VAC = 1.0 amps

Idle Current (Reactive) at 250 VAC = 2.0 amps

Power dissipated in the RxDNA-V2X at 60 Hz is comprised of the effect of the filtering components loss (FCL) and the LED panel lamp loss.

FCL is 180 milliwatts @ 120 VAC and 360 milliwatts @ 240 VAC

LED is 360 milliwatts @120 VAC and 1440 milliwatts at 240 VAC

Totals: 540 milliwatts @ 120 VAC and 1800 milliwatts @ 240 VAC

Website Reference Including Prices

<http://rfreduce.com/mxdna3/ - v2xintro>