



Feature	EP Waveform Correction	Competitor SPD
Technology	Low pass filter + SPD + Ground mode protection (Not Patented)	Generic MOV based SPD
Filter and SPD	Yes , Low pass filter + TMOV based SPD	TMOV based SPD only
Surge Suppression	TMOV to move surge into patented “ <i>tank circuit</i> ”. Tank circuit dissipates the surge in it, does not leave surge to the rest of the electrical system.	Surge is diverted from Line to the Ground. The ground may put back the surge into electrical system through ground rods and loops.
Sine Wave correction	Uses low pass filter to attenuate the noise on the line, to correct the “sinusoidal nature” of the system	No correction
When does it work?	All the time SPD and Filter	Only in the event of surge which is 120% above the rated voltage.
Does it work for both Internal and External noise sources?	YES , External noises (15% of the noise) are above 120% of the rated voltage – SPD takes action. Internal noises (85% of the noise) are below 120% of the rated voltage- Patented low pass filters takes action	NO , Only works for the external noises using the TMOV. That means, these units are “ineffective” for 85% of the total noise/transients in the electrical system.
Heat dissipation	BEST heat sinking capabilities for noise	No Heat dissipation
Panel Amperage	Up to 400A panels	Up to 200A panels
Case Structure	Rectangular plastic case, Round Metal case (for extreme noisy environments)	Standard Plastic case
Application Areas	Condos, Townhouses, single family, multifamily, mobile, RVs, large villas, community halls and churches	Up to single family houses only
Bottom line	Combination of SPD and Low pass filter that does not leave our any surge energy into the electrical system and correct the sinewave. It's a COMPLETE HOME PROTECTION	Its an MOV box that shunt the high energy surge into ground – THAT'S IT