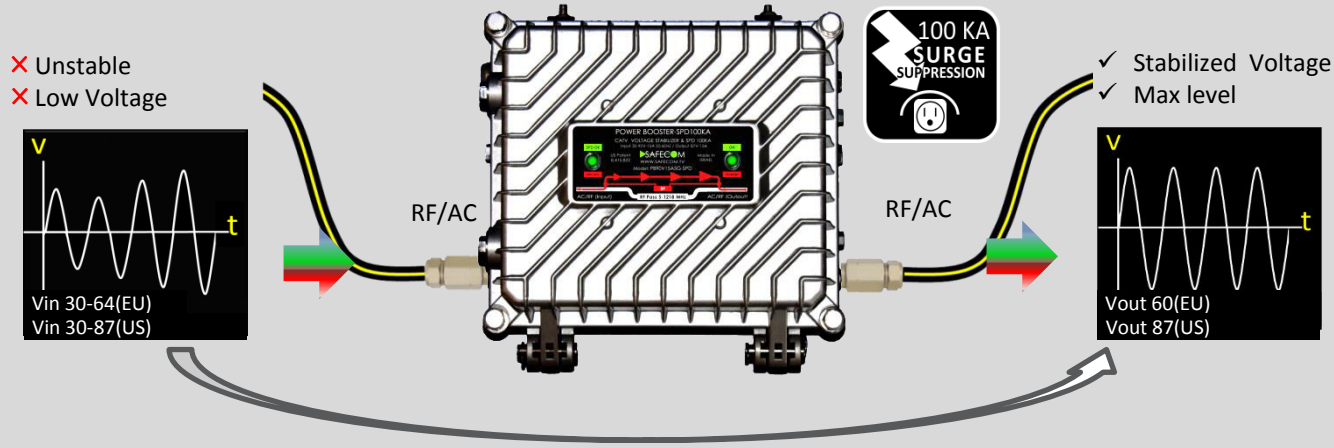
CATV POWER BOOSTER 1218MHZ
+ integrated Surge protector 100KA

- **87V(US) ,60V(EU) -15A AC/AC stabilizer –Zero Crossing Technology & RF-Pass 5-1218MHZ**



- **MINIMIZE THE NUMBER OF POWER SUPPLIES IN THE NETWORK.**
- **INCREASING THE POWERING AREA COVERED BY POWER SUPPLY**
- **100KA Surge Protection for active & passive devices**

The patented power booster; a Passive & Standalone element solves the voltage drop problems in a CATV network caused by high-resistance and low energy efficient coax & electricity cables
Utilizing breakthrough direct on-line zero crossing AC/AC stabilizing technology safecom's ensures an optimal voltage level to Optical Nodes & Line Amplifiers even if the source of power from a very long distance .
Increasing the distance between remote power sources leads to a reduction in the number of power insertion points across the network, less power supplies (especially under-loaded power supplies are unnecessary), less street cabinets and permits are needed and less flat fees to the utility company for each of the power supply (even if it was never used).

95+ EFFICIENCY

- ✓ Stongest SPD for protecting HFC network & Coaxial cables (100KA)
- ✓ Power Booster & SPD integrated into one device.
- ✓ RED LED monitoring SPD functionality (< 50% surge capability)
- ✓ Green LED Monitoring AC availability.
- ✓ Protecting active & passive devices over the CATV networks
- ✓ Low cost.
- ✓ Combine SPD protection 100KA for both directions or divided 50KA to each direction separately.
- ✓ Improve HFC network survivability without the need to add more devices into the network.
- ✓ Supporting 2 x17A 90V 1, 1.2 GHz
- ✓ Easy to install.

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Power Booster
Specification

Electronic	
Input Voltage range (Vac)	42-90 V(US) 32-72V (EU)
Input Frequency (Hz)	50/60 Hz
Max Output Current (A)	15A
Max Input Current	15A
Output Voltage range (Vac)	78 ÷90 V(US) 57÷63 V(EU/CN)
Voltage gain ratio (min)	1 : 1.03
Voltage gain ratio (Max)	1 : 1.56
Load Regulation (%)	<2%
Efficiency (%)	>95%
Transfer time	**ONLINE**

Mechanical	
Dimensions (L , W , H) mm	250 X 200 X 152
Weight (Kg/lbs)	6/13.2
Finish	Passivation
Environment	
Operating Temperature	-40°C ÷ +60°C
Storage Temperature	-40°C ÷ +70°C
Humidity (water proof)	0 ÷ 100%
Standard Features	
Quick Connection In / Out Coax socket	√
Electronic Overload protection	
Power Booster Adaptor Indication Green /Red LED	√
RF	
Band width	5-1218Mhz
Through loss 1000 MHz	< 1.7 dB (+/- 0.5dB)
Return Loss	> 18 dB
RFI	>110 dB
Hum Modulation	> 65

Surge immunity20	
EN61000-4-5	2.0kV (1.2/50µs, 2Ω). L →N and L,N →PE √
ANSI\SCTE 81 2012	6KV 10/700µSec √

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Internal SPD 100KA unit Specification

Electrical	
Input Voltage Taps (Vac) ✓	0-90VAc
Input Frequency (Hz) ✓	50/60HZ
Current Pass(A)	17A
Output Voltage Taps (Vac)	87V
AC1 , AC2 Green LED Indication	
✓ **Surge Protection**	
Surge Protection – Varisitor	√
Surge Current 8/20 µs	10 SPD x 10KA
SPD Max Voltage Rating	115Vac

Environment	
Operating Temperature	-40°C ÷ +60°C
Storage Temperature	-40°C ÷ +70°C
Water proof +Humidity ✓	Waterproof IPX8 + 0 ÷ 100% condensing
Standard Features	
Output Coax socket	√
Power Indication Green /Red LED	√
SPD (< 50% surge capability) Indication /Red LED	√

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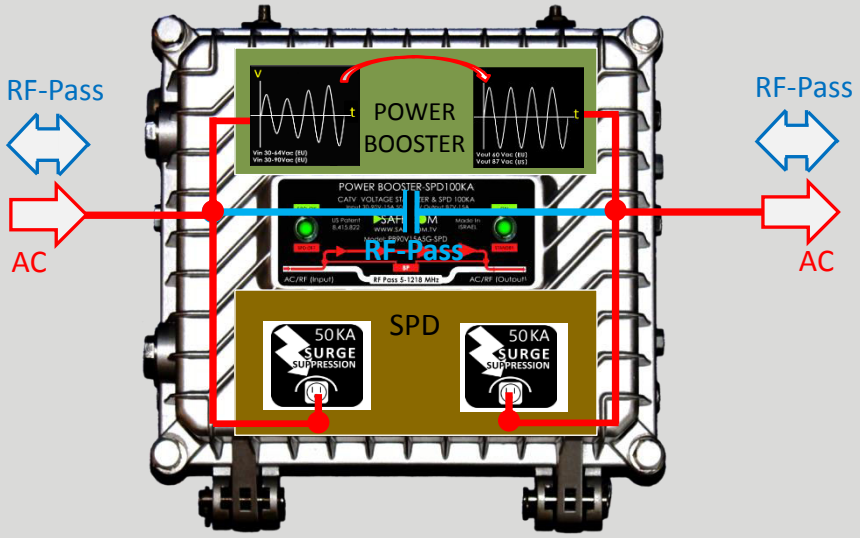
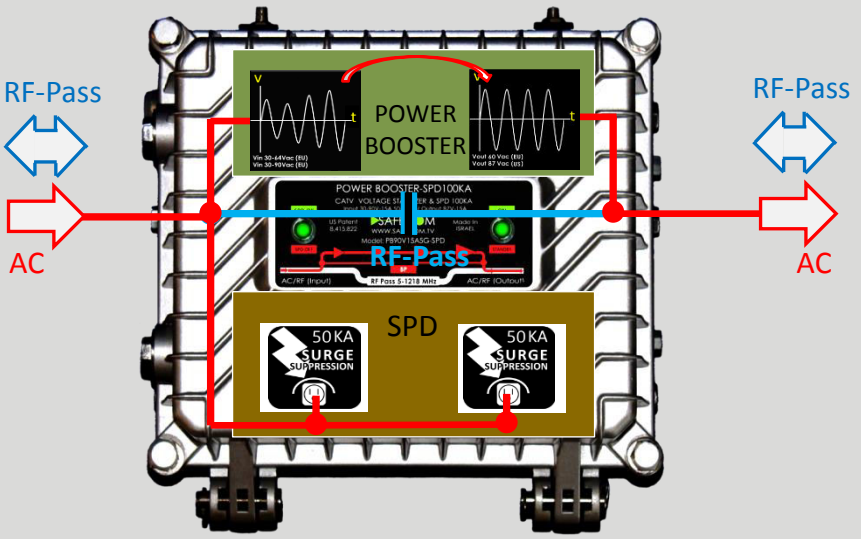
POWER BOOSTER-SPD100KA
SPD Configuration

Two way SPD configuration
Protecting surge Input 50KA & Output Port 50KA



INPUT SPD-100KA configuration



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OUTPUT SPD-100KA configuration