

## Power Booster (patent)

Increasing the powering area covered by power supply.



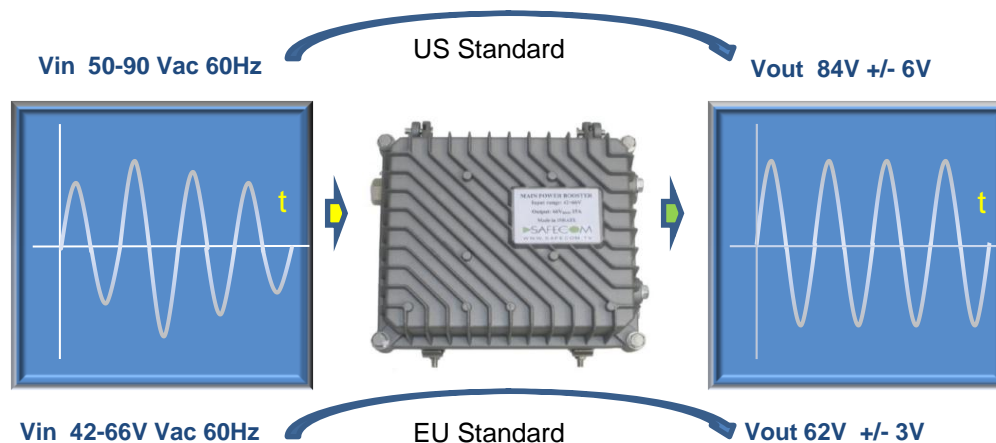
Main Power Booster

Power Booster Voltage 4 gear stabilizer technology.

Power Booster solves the power distribution problem in a CATV network caused by high-resistance and low energy-efficient coax cables. The unit ensures the optimal voltage levels required in remote locations by fiber nodes, trunk amplifiers, and line extenders overcoming voltage drop along the power or coaxial cable.

- ✓ Minimize the number of power supplies.
- ✓ Enabling DPS backup for longer distance.
- ✓ Increase reliability.
- ✓ Save energy by minimize wastage energy on the coax cables
- ✓ Avoid low voltage effect at remote amplifiers or fiber nodes.
- ✓ RF pass : 5-1000MHz 90V -15A. (1.2 dB max loss)
- ✓ US 87V-60Hz / EU 60V-50HZ standard .

Increasing the distance between remote power sources leads to reduction in the number of power insertion points across the network, less power supply (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).



Model PB-4G	Power Booster 90V-15A	Power Booster 90V-10A	Power Booster 60V-15A
<b>Electrical</b>			
Input Voltage range (Vac)	50 ÷ 90 Vac	50 ÷ 90 Vac	40 ÷ 66 Vac
Input Frequency (Hz)	50/60 Hz	50/60 Hz	50/60 Hz
Max Output Current (A)	15A	10A	15A
Max Input Current	15A	15A	15A
Input Voltage range	0 ÷ 90 Vac	0 ÷ 90 Vac	0 ÷ 66 Vac
Output Voltage range (Vac)	78 ÷ 90 Vac	78 ÷ 90 Vac	58 ÷ 66Vac
Voltage gain ratio ( input 78-90 Vac )	1 : 1.03	1 : 1.03	1 : 1.03
Voltage gain ratio (68-78)	1 : 1.18	1 : 1.18	1 : 1.18
Voltage gain ratio (59-68Vac)	1 : 1.36	1 : 1.36	1 : 1.36
Voltage gain ratio (input below 59Vac)	1 : 1.56	1 : 1.56	1 : 1.56
Load Regulation (%)	<2%	<2%	<2%
Efficiency (%)	>95% at full load	>95% at full load	>95% at full load
Transfer time	ONLINE	ONLINE	ONLINE
<b>Mechanical</b>			
Dimensions ( L , W , H ) mm	233 X 152 X 116	233 X 152 X 116	233 X 152 X 116
Weight (Kg/lbs)	12/26.4	11/24.2	10/22
Finish	Passivation	Passivation	Passivation
<b>Environment</b>			
Operating Temperature	-40°C ÷ +60°C	-40°C ÷ +60°C	-40°C ÷ +60°C
Storage Temperature	-40°C ÷ +70°C	-40°C ÷ +70°C	-40°C ÷ +70°C
Humidity (water proof)	0 ÷ 100%	0 ÷ 100%	0 ÷ 100%
<b>Standard Features</b>			
Quick Connection Input / Output Coax socket	√	√	√
Electronic Input Current Overload protection	√		√
Indication Green /Red LED	√	√	√