

Power Booster (patent pending)



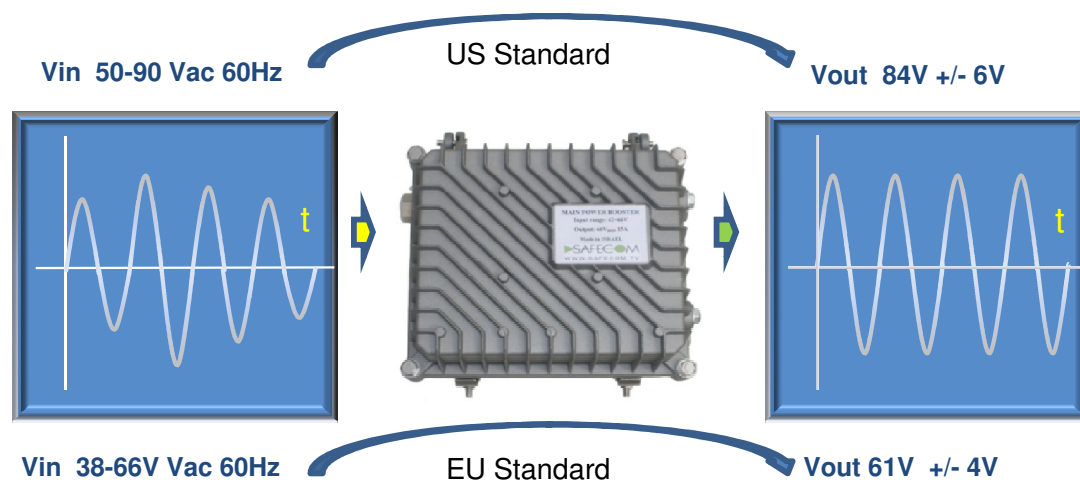
Main Power Booster

4 gears Voltage 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.

- ✓ Save energy by minimize wastage energy on the coax/electricity cables.
- ✓ Increasing the powering area covered by power supply.
- ✓ Minimize the number of power supplies.
- ✓ Enabling DPS backup for longer distance.
- ✓ Increase reliability.
- ✓ Avoid low voltage effect at remote amplifiers or fiber nodes.
- ✓ RF pass optional 5-1000MHz 90V -15A.
- ✓ 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
Electrical			
Input Voltage range (Vac)	50 ÷ 90 Vac	50 ÷ 90 Vac	38 ÷ 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	51 ÷ 90 Vac	51÷ 90 Vac	38 ÷ 66 Vac
Output Voltage range (Vac)	78 ÷ 90 Vac	78 ÷ 90 Vac	57 ÷ 65 Vac
Voltage gain ratio (input 78-90 Vac)	1 : 1.03	1 : 1.03	(Vin 57-66V) 1 : 1.03
Voltage gain ratio (68-78)	1 : 1.18	1 : 1.18	(Vin 48-57V) 1 : 1.18
Voltage gain ratio (59-68Vac)	1 : 1.36	1 : 1.36	(Vin 42-48V) 1 : 1.36
Voltage gain ratio (input below 59Vac)	1 : 1.56	1 : 1.56	(Vin 0 -42V) 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
Mechanical			
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
Environment			
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%
Standard Features			
Quick Connection Input / Output Coax socket	√	√	√
Electronic Output Current Overload protection		√	
Electronic Input Current Overload protection	√		√
Power Booster Adaptor Indication Green /Red LED	√	√	√