

SECURITY OF ELECTRICITY SUPPLY

In the New 1.8GHz Intelligent grid

Triple Power Source 1.8GHz 60/90 Vac 3 X 15A

US P. 5747888, EP P. 0708559

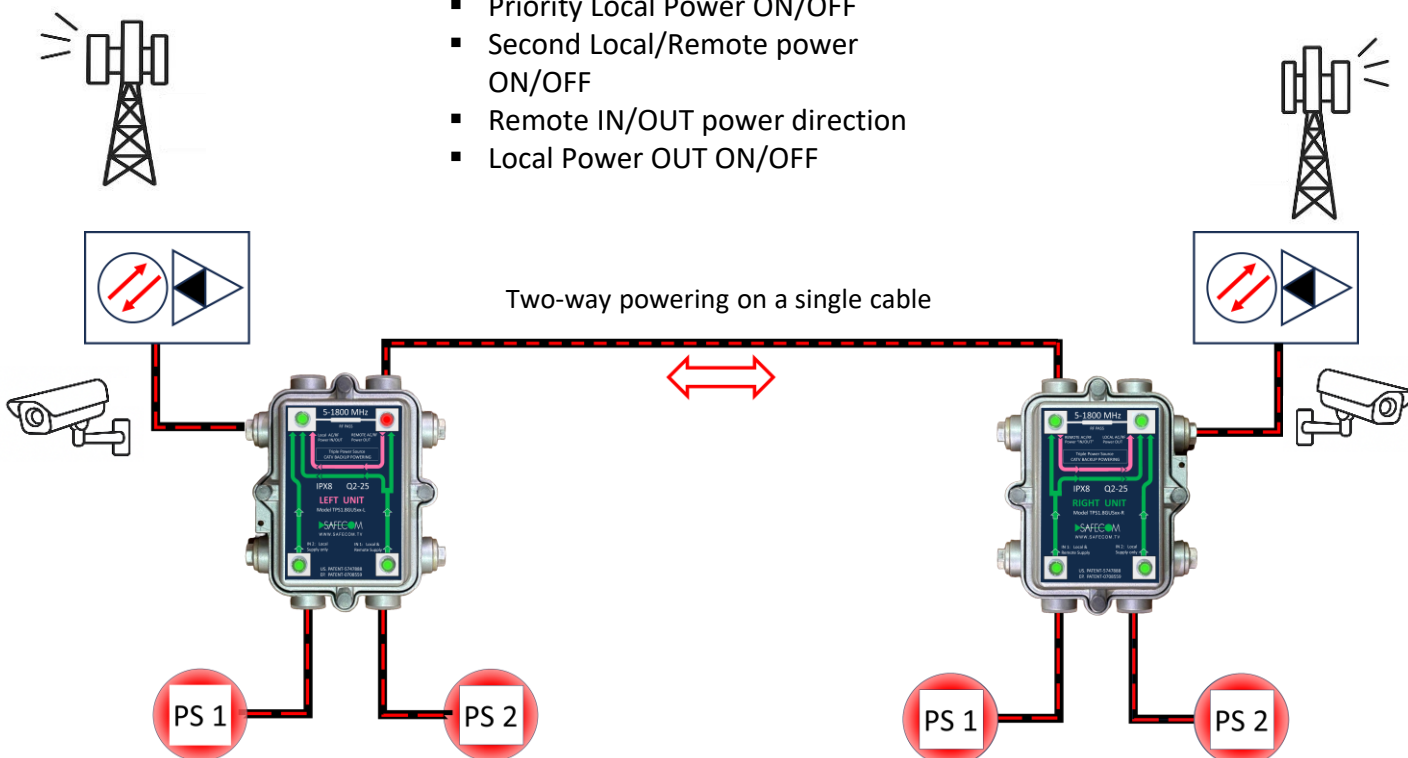
The new Triple Power Source 1.8GHz architecture minimizes the dependence on battery backups while providing alternative options for unlimited backup time from three power sources. It enhances network resilience by allowing the redistribution of power from two remote alternative sources during power failures. Implementing these intelligent power solutions can significantly improve the reliability and efficiency of cable TV, as well as integrated powering for 5G Cells and CCTV networks, ensuring consistent service even under critical power conditions and for unlimited time.

Innovating PCB & Housing structure enables minimized distance between RF/AC port with minimum RF loss at the bandwidth 5-1800 MHz



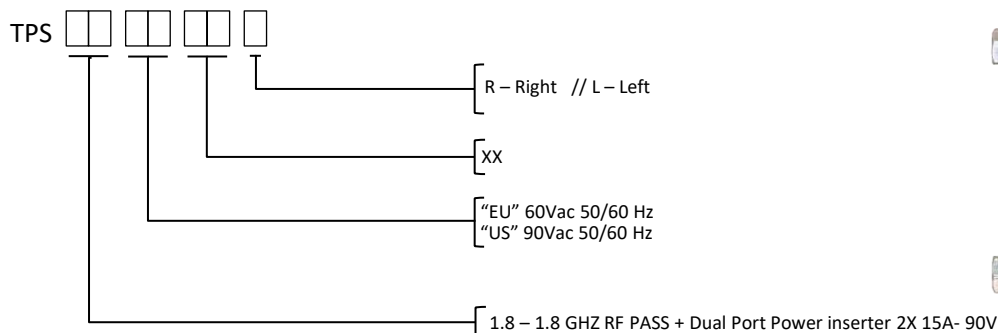
Power indications

- Priority Local Power ON/OFF
- Second Local/Remote power ON/OFF
- Remote IN/OUT power direction
- Local Power OUT ON/OFF



A safe and reliable unlimited backup power

Triple Power Source 1.8GHz 60/90 Vac 3 X 15A



Triple Power Source CATV Auto grid Controller- TPS1.8EU/US xx-L/R

Technical Specification

Model	TPS1.8EUxx (R/L)	TPS1.8USXXF-L/R
Electrical Input		
local input voltage operational range	45-65 VAc	64-90VAc
Remote input voltage operating range	30-65Vac	30-90Vac
Input Frequency (Hz)	50/60 Hz	
Max current Local input /output	15A	15A
Max current Remote input/output	15A	15A
Power Consumption (Watt)	1.8W	3.5W
Max Voltage	75Vac	100Vac
Min Voltage from remote lection	18Vac	30Vac
LED's indicators		
Local AC 1	Local ON –GREEN / OFF - RED	
Local / Remote AC 2	Local ON –GREEN / OFF - RED	
Backup IN/OUT	GREEN – POWER OUT / RED- POWER IN	
Local out	GREEN- ON	
RF		
Bandwidth	5-1800MHz // 5-1800MHz	
Through loss	< 1.2dB (+/- 0.3dB)	
Return Loss	>18dB	
RFI	>110dB	
Hum Modulation	>65dB	
Mechanical		
Dimensions (L , W , H) mm		
Weight (Kg/lbs) net	1.5Kg / 3.3 L	
Housing Finish	Corrosion protected + painting coating	
Environment		
Operating Temperature	-20°C ÷ +60°C	
Storage Temperature	-20°C ÷ +70°C	
IP Standard -100% waterproof	IPX8	
General		
Backup operation life expectancy	500,000	
Broadband Continuity	Online	
Monitoring interface for IP transponder		
Broadband Continuity	Online	
Surge immunity		
EN61000-4-5	2.0kV(1.2/50μs, 2Ω)	
ANSI\SCTE 81 2012	6KV 10/700μSec	
Optional external feature		
HMS Docsis transponder	√	