



Piranha series modular power chassis

Typical applications:

- Providing power to multiple satellite dish LNBS
- Large satellite teleports with multiple antennas
- Maintains optimum RF performance



The Piranha series of power inserters provide DC powering options in a compact 1U high 19" chassis for a range of components and devices in satellite ground station RF and power distribution chains.



Variable voltage specified by power inserter module



Local control & monitoring via front panel push buttons & display



Compact & expandable up to 16 power inserter modules housed in a 1U high chassis



Resilience from dual redundant hot-swap power supplies & hot-swap power inserter modules



Remote control & monitoring via RJ45 Ethernet port with SNMP & web browser interface



RF input monitoring for LNB & BUC power inserter modules

CHASSIS OPTIONS

Model	Capacity
PRN-10	Up to 16 modules
PRN-15	Up to 16 modules

POWER SUPPLY MODULE OPTIONS

Model	PSU power
HP130	100W - Chassis fused 10A
HP225	200W - Chassis fused 10A
HP500	500W - Chassis fused 10A

POWER INSERTER MODULE OPTIONS

Model	Frequency	Variable voltage
PRN-L100-xxxx	Extended L-band (850-2450MHz)	13/18Vdc selectable & 22kHz tone on/off
PRN-L102-xxxx	Extended L-band (850-2450MHz)	13/18Vdc selectable & 22kHz tone on/off

POWER INSERTER





RF SPECIFICATIONS - modules		
Model	PRN-L100-xxxx	PRN-L102-xxxx
Frequency	850-2450 MHz	850-2450 MHz
Flatness	± 0.4 dB	± 0.4 dB
LNB Power	13/18Vdc selectable & 22KHz tone on/off	
10MHz Inject	x	From parent chassis 10MHz distribution to port 1. Switchable on/off.
Insertion Loss	18 dB typical	18 dB typical
Input Return Loss	18 dB typical	18 dB typical
Output Return Loss	18 dB typical	20 dB typical

GENERAL SPECIFICATIONS - chassis	
PSU	Dual Redundant
Hot-swap PSU	✓
System Control	Local & Remote Control
Operating Temperature	0 to 45 °C
Location	Indoor use only
Storage Temperature	-20 °C to +75 °C
Humidity	20% to 90% non-condensing
Dimensions	1U high x 450mm deep x 19" wide
Weight	8 kg
Colour	White (RAL 9003 semi-matte)
RF connectors & impedance options	50Ω BNC, 50Ω SMA, 75Ω BNC & 75Ω F-type

The specifications above are based on 50Ω SMA connectors. Specifications may vary for other impedances and connector types.