



500W C-Band & 300W Ku-Band Compact Outdoor SSPA



Dimensions
 19.5 x 10.0 x 6.5 in
 (495 x 254 x 165 mm)
Base unit weight
 44 lbs. (20 kg)

Teledyne Paradise Datacom has expanded the popular Compact Outdoor SSPA product line to include power levels of 500W in C-Band and 300W in Ku-Band, providing the highest power density in the industry.

As with other Compact Outdoor SSPA models, these new models are both CE and MIL-STD-461 compliant.

Other features include:

- Integrated forced-air cooling system
- 20 dB RF gain adjustment
- RF Output sample port

- Universal, power factor corrected power supply
- Built-in 1:1 redundancy control
- True output power detection

Options include:

- Hand-held controller
- Antenna mounting kit
- Remote control panel
- L-Band input
- FSK M&C via IFL
- Side-mount AC input
- Receive band reject filter
- Reflected power monitor
- Redundant/Phase Combined Systems



TELEDYNE PARADISE DATACOM

A Teledyne Technologies Company

328 Innovation Blvd., Suite 100 | State College, PA 16803 USA

www.paradisedata.com

500 W C-Band Compact Outdoor SSPA

PARAMETER	NOTES	LIMITS	UNITS
Output Power Typical, P_{sat} Guaranteed minimum, P_{linear}	HPAC2500ACXXXXG	P_{sat} / P_{linear} 57.0 (500) / 54.0 (250)	dBm (W)
Power Requirements Line Frequency Line Power (Voltage) (typical @ 220 VAC)	HPAC2500ACXXXXG	47 to 63 2300 / 1700 (180-265)	Hz W (VAC)

300 W Ku-Band Compact Outdoor SSPA

PARAMETER	NOTES	LIMITS	UNITS
Output Power Typical, P_{sat} Guaranteed minimum, P_{linear}	HPAK2300ACXXXXG	P_{sat} / P_{linear} 54.8 (300) / 51.8 (150)	dBm (W)
Power Requirements Line Frequency Line Power (Voltage) (typical @ 220 VAC)	HPAK2300ACXXXXG	47 to 63 P_{sat} / P_{linear} 1600 / 1250 (180-265)	Hz W (VAC)

PowerMAX Systems

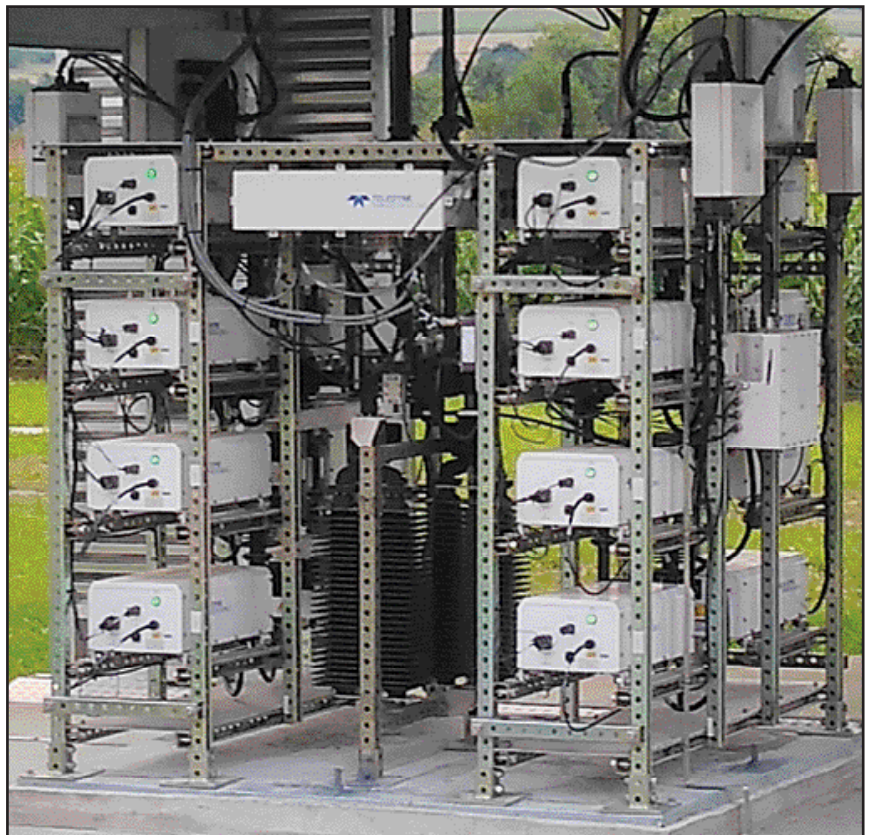
The 500W C-Band and 300W Ku-band Compact Outdoor amplifiers are also available to use in all Outdoor PowerMAX configurations.

Outdoor PowerMAX systems feature high reliability and soft-fail redundancy. The modular design grants easy access to all components for maintenance.

High MTBF and low MTTR make the Outdoor PowerMAX system an excellent choice for high power installations.

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Specifications are subject to change without notice.



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