

# High Power RF systems

DATASHEET

Available in GaAs and GaN technologies

High Power RF systems are available in rack mount, field replaceable modules that fit into a standard 19" cabinet. Completely modular, the systems can be customized for power in various increments (depending on the frequency band) as well as having combining and/or redundancy options.



## KEY FEATURES

- Frequency band: C-band, Upper C-band and Ku-band
- Available in GaAs and GaN technologies
- Power range from 400W to 16KW
- Modular, can be combined and/or made redundant
- Fits into standard 19" cabinet
- WEB interface and SNMP monitoring, RS 232, RS485, Ethernet and dry-contacts M&C Interface



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# HIGH POWER RF SYSTEMS matrix

A typical installation in a standard 19" chassis would consist of;

- 4 Amplifiers
- 1 power supply (1 required per set of 4 amplifiers)
- 1 controller (1 required per chassis)

Optional: 1 PDU 208V 3ph (1 per chassis)  
1 Vent (1 per chassis)

Modules can be configured to provide the required output power requirement (see examples below).

Single or redundant configuration values			
GaAs	Maximum power (Psat)		
	C-band 5.845 – 6.725 Mhz	Upper C-band 7.9 – 8.6 Mhz	Ku-band 13.75-14.5 Mhz
Single	1000	1000	400
Double	2000	2000	800
Quad	4000	4000	1600

  

GaN	Maximum power (Psat)		
	C-band 5.845 – 6.725 Mhz	Upper C-band 7.9 – 8.6 Mhz	Ku-band 13.75-14.5 Mhz
Single	2000	2000	800
Double	4000	4000	1600
Quad	8000	8000	3200

Combining configuration values			
GaAs	Maximum power (Psat)		
	C-band 5.845 – 6.725 Mhz	Upper C-band 7.9 – 8.6 Mhz	Ku-band 13.75-14.5 Mhz
Single	2000	2000	800
Double	4000	4000	1600
Quad	8000	8000	3200

  

GaN	Maximum power (Psat)		
	C-band 5.845 – 6.725 Mhz	Upper C-band 7.9 – 8.6 Mhz	Ku-band 13.75-14.5 Mhz
Single	4000	4000	1600
Double	8000	8000	3200
Quad	16000	16000	6400

