

GALAXY™ SERIES

2MHz, 13.56MHz, 27.12MHz, 40.68MHz, 60MHz

The Galaxy series of Hybrid RF Generators operate from 2 to 60MHz, at power levels from 10kW to 40kW, using advanced DSP control algorithms.



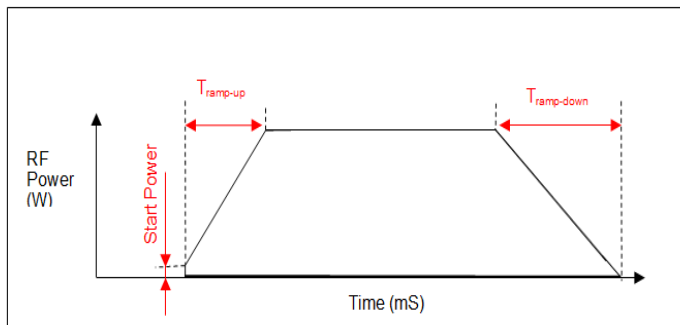
REDEFINING HIGH POWER™

FEATURES

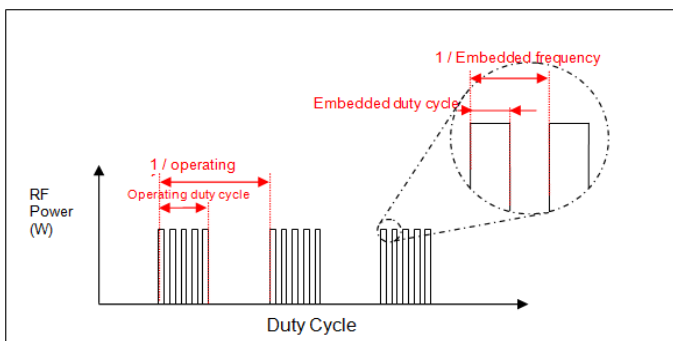
- Frequency Tuning
- ARC management
- Ramping
- Pulsing
 - Double Modulation

The Galaxy series of Hybrid RF generators operate at a fixed frequency over the range of 2 to 60MHz. Our amplifiers are designed to operate into the extreme dynamic loads found in semiconductor applications.

With broad power and frequency range, the Aurora series provides a common generator platform to meet the ever changing needs of the semiconductor industry



Ramping



Double Modulation

SEMICONDUCTOR APPLICATIONS

- PECVD
- SPUTTERING
- DIELECTRIC and CONDUCTOR ETCH

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GX40000

GALAXY™ RF Generator Specifications

Power Output	40,000W
Frequency	any fixed frequency from 2 to 60 MHz
Power stability	+/- 0.5%
Power accuracy	< 2 %
Power repeatability	+/- 1% of setpoint into a 50-Ohm load
Input Power	380 – 480 VAC; 47 – 63Hz; 3 Phase
Interface connectors	Serial: DB-9; Analog DB-25
Harmonics	less than -35 dBc
Reflected power limit	100% for 1 second; 20% continuous
Pulsing	0 - 10kHz and Dual
Cooling	Water Cooled; 15GPM @ 40 deg. C
Dimensions	76H x 24W x 36D (in.); 193.04 x 60.96 x 91.44 (cm)
Weight	1500 (lbs); 680.4 (kg)

GALAXY Product Matrix				
	GX10000	GX20000	GX30000	GX40000
Power Output	10kW	20kW	30kW	40kW
Line Voltage	208/480VAC Three Phase	208/480VAC Three Phase	480VAC Three Phase	480VAC Three Phase
Input Power	16.5kVa	33kVa	50kVa	66kVa
Cooling	Water: 12 GPM (45.42 LPM)	Water: 13 GPM (49.20 LPM)	Water: 14 GPM (53 LPM)	Water: 15 GPM (56.77 LPM)
Size	76H x 24W x 36D (in.) 193 x 61 x 91.5 (cm)	76H x 24W x 36D (in.) 193 x 61 x 91.5 (cm)	76H x 24W x 36D (in.) 193 x 61 x 91.5 (cm)	76H x 24W x 36D (in.) 193 x 61 x 91.5 (cm)
Weight	1250lbs. (567kg)	1250lbs. (567kg)	1500lbs. (680.3kg)	1500lbs. (680.3kg)



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