

# The Very Latest Technology in Transistorized Solid State - High Frequency Power Supplies

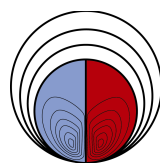
High Frequency Power 25 kW to 1.5 MW / 50 to 400 kHz

Direct Replacement for Obsolete Vacuum Tube Oscillators and older solid state power supplies



## Features

- ▶ Automatic load matching to resonant frequency.
- ▶ Modular power modules for easy power upgrading.
- ▶ Rated power corresponds to power supplied to the inductor.
- ▶ All command control functions may be remote controlled.
- ▶ Frequency range extends from 50 to 100% of the rated frequency.
- ▶ Output power can be varied from 10 to 100% of rated value.



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# HIGH FREQUENCY RANGE FOR MOS TRANSISTOR GENERATOR

Technical Data Sheet															
INVERTER TYPE															
GTMP	12	25	37	50	75	100	150	200	300	400	500	600	700	800	
RANGE	50/400														
LOAD CHARACTERISTICS															
Rated output power (kw)	12	25	37	50	75	100	150	200	300	400	500	600	700	800	
Power adjustment	10 to 100% of nominal power														
Maximum frequency (kHz)	400 kHz														
Minimum frequency (kHz)	50 kHz														
Rated load impedance (Ohm)	11.5	5.75	3.85	2.88	1.90	1.44	0.96	0.7	0.48	0.36	0.29	0.24	0.21	0.18	
Load impedance tolerance limits	+ 20% / - 18%														
ELECTRICAL CHARACTERISTICS															
Supply voltage (v)	3 X 480														
Supply frequency (Hz)	50 / 60														
Connected power (kVA)	18	37	55	73	109	145	218	291	545	725	905	1088	1270	1450	
Load Consumption (kW)	14	37	14	55	83	110	165	291	330	439	549	658	768	676	
Maximum network current (A)	25	53	78	105	157	209	314	418	785	1046	1307	1568	1830	2100	
Power variation type	Chopper							Thyristor rectifier							
ENCLOSURE															
Thickness of sheet steel (inch)	0.60 to 0.79														
Safety features	NEMA 12 enclosure, short and open circuit protection, interlocks														
Height (inch)	82														
Width (inch)	48			72			95			118			189		
Depth (inch)	32														
COOLING															
Type	Designed for water circulating system														
Pressure differential	60 psi														
Water electrical resistivity	>4000 Ohm.cm														
Water inlet temperature	Minimum 68 °F—Maximum 90 °F														
Water flow rate gal/min	4.8	4.8	8	8	10	18	22	30	38	42	62	66	82	88	

