

The Very Latest Technology in Transistorized (IGBT) Medium Frequency Power Supplies

Output Ratings from 75 kW to 1.5 MW / 6 to 50 kHz

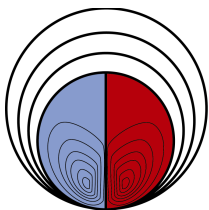
Features:

Auto load matching to resonant frequency of load

High efficiency (approximately 95%)

Wide power range

Almost no maintenance



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MEDIUM FREQUENCY RANGE FOR IGBT TRANSISTOR GENERATOR

Technical Data Sheet											
INVERTER TYPE											
GTIP	75	100	150	200	300	400	500	600	700	800	1000
LOAD CHARACTERISTICS											
Rated output power (kW)	75	100	150	200	300	400	500	600	700	800	1000
Maximum frequency (kHz)	10 to 100% of nominal power										
Minimum frequency (kHz)	50 kHz										
Minimum frequency (kHz)	6 kHz										
Rated load impedance (Ohm)	1.9	1.44	0.96	0.72	0.48	0.36	0.29	0.24	0.21	0.18	0.14
Load Impedance tolerance limits	+ 20%/-18%										
ELECTRICAL CHARACTERISTICS											
Supply voltage (V)	3 X 480										
Supply frequency (Hz)	50/60										
Connected power (KvA)	109	145	218	291	545	725	905	1088	1270	1450	1814
Load consumption (kW)	83	110	165	220	330	439	549	658	768	878	1097
Maximum network current (A)	157	209	314	418	785	1046	1307	1568	1830	2100	2627
Power variator type	Chopper					Thyristors 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)	84										
Width (inch)	72		95			120			190		
Depth (inch)	32										
COOLING											
Type	Designed for water regulating 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	9.5	13.5	20.3	27	31.4	35	47.3	54	81	94.5	108

