

Model:TLPA0.1M200M-62-62-P-BC
**Solid State High Power Amplifier Systems
 0.1-200MHz,Gain:62dB,Psat:1500 W,220V AC**
Feature:

- Wide Band: 0.1-200MHz
- Gain: 62dB Min
- Psat Output Power:1500W Min
- Protection:Over TEM,over voltage, over current ,over VSWR protection.
- 50 Ohm Matched Input / Output

电气特性 Electrical Specifications:

参数Parameter	代码 Symbo	Min	Typ	Max	单位Units
频率范围 Frequency range	BW	0.1-200			MHz
功率增益 Power Gain@Pout=68dBm	SSGP	62			dB
增益平坦度 Gain flatness	Δ GL			± 2.5	dB
饱和输出功率 Output Psat	Psat	1500			W
线性输出P1dB Output P1dB	P1dB	1000			W
杂散 Spurious	Spur			-50	dBc
谐波 Harmonics@Pout=1000W	HAM			-15	dBc
输入驻波 Input VSWR	VSWR			2	:1
交流电压 AC Voltage	Vac		220		V AC
功耗 Power Consumption	Pdiss	4000@Max			W
阻抗 Impedance	I/O-IMP	50			Ohms

机械特性 Mechanical Specifications:

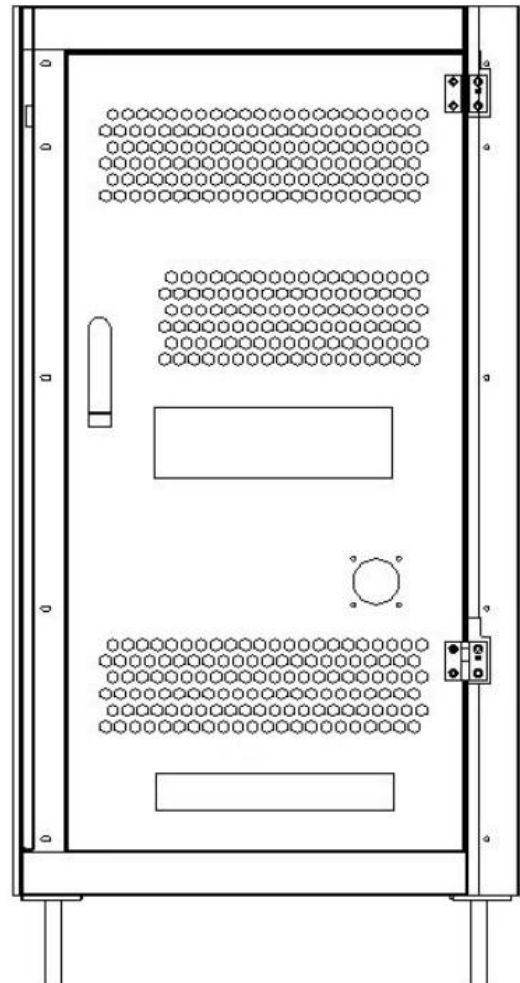
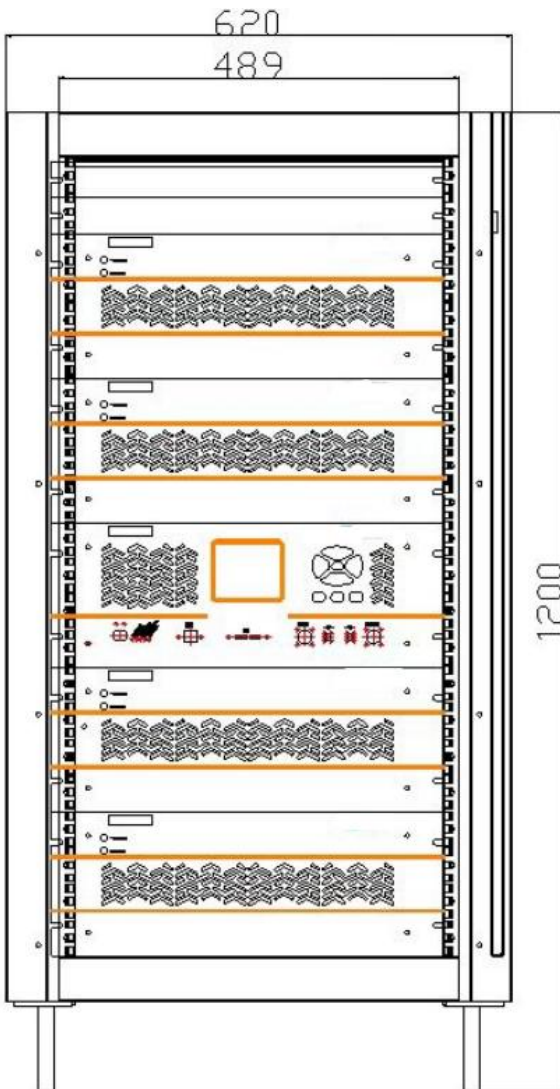
参数 Parameter	指标 Value	单位Units
输入/输出接口 Input /Output Connector	N Female/7/16 Din Female	
正向/反向耦合 Forward/Reverse Coupling	N Female/N Female	
通信接口 Communication Connector	Ethernet/GPIB	
尺寸 Size	600*800*1200	mm
重量 Weight	≤ 300	Kg

绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
输入功率 RF Input Power	0 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm



主要功能 Key Features:

参数 Parameter	特点 Advantages
控制功能 Control functions	1, Power setting On/Off
内置保护功能 Protection functions	1, Over TEM(70°C) 2, Over voltage 3, Over current 4, Over VSWR(5.0, adjustable) 5, Over excitation 6, Dual Directional Coupler
监控和控制 Remote control	GPIB/Ethernet
冷却系统 Cooling system	Built in Cooling system, forced air cooling

Paid options: Amplifier gain is adjustable, support manual or software control, real-time status of the amplifier display.

温度环境 Environmental Conditions:

参数 Parameter	Min	Typ	Max	单位 Units
操作温度 Operating Temperature*	-20		+40	°C
存储温度 Non-operating Temperature*	-30		+50	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	10000			feet
震动 Shock / Vibration(MIL-STD- 810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave, 3 axis both directions			

*Note: For a wider temperature range, please consult the manufacturer.

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号 Revision
TLPA0.1M200M-62-62-P-BC	Solid State High Power Amplifier Systems 0.1-200MHz, Gain:62dB, Psat:1500 W, 220V AC, Built in Fan Cooling	Rev.1.0