

**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

**Electrical Specifications:**

Parameter	Symbo	Min	Typ	Max	Units
Frequency range	BW	0.1-200			MHz
Power Gain@Pout=68dBm	SSGP	62			dB
Gain flatness	$\Delta$ GL			$\pm 2.5$	dB
Output Psat	Psat	1500			W
Output P1dB	P1dB	1000			W
Spurious	Spur			-50	dBc
Harmonics@Pout=1000W	HAM			-15	dBc
Input VSWR	VSWR			2	:1
AC Voltage	Vac		220		V AC
Power Consumption	Pdiss	4000@Max			W
Impedance	I/O-IMP	50			Ohms

**Mechanical Specifications:**

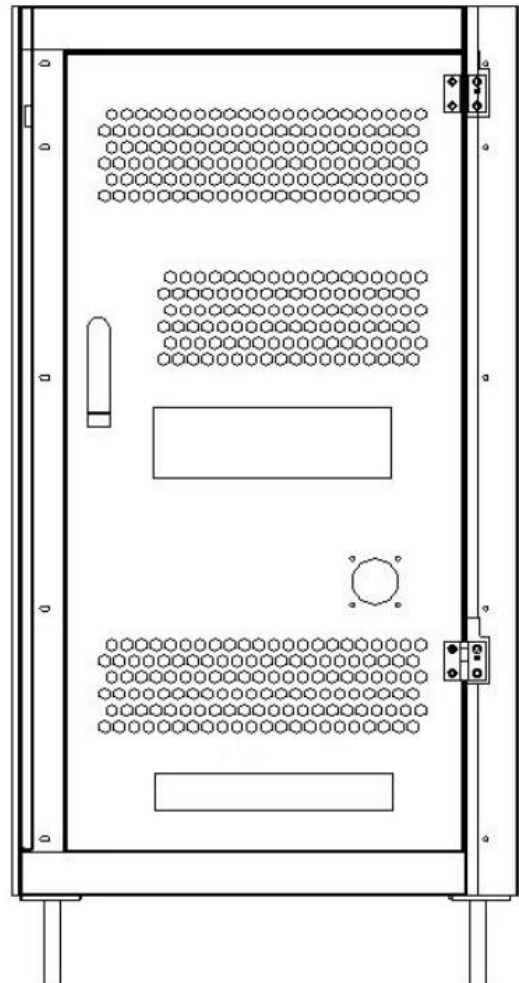
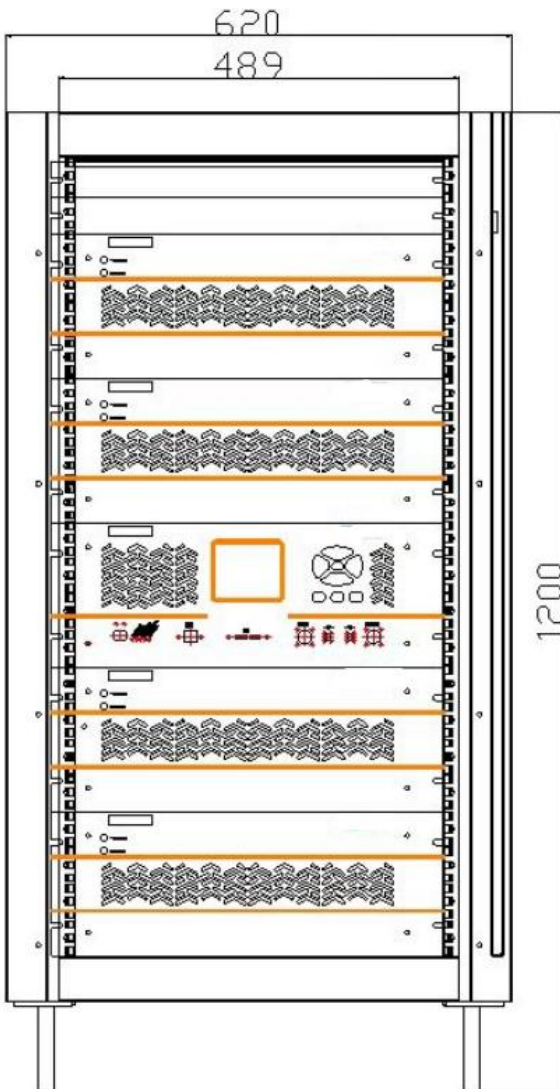
Parameter	Value	Units
Input /Output Connector	N Female/7/16 Din Female	
Forward/Reverse Coupling	N Female/N Female	
Communication Connector	Ethernet/GPIB	
Size	600*800*1200	mm
Weight	$\leq 300$	Kg

**Absolute Maximum Ratings:**

Parameter	Value
RF Input Power	0 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

**Outline Drawing:**

Unit: mm



**Key Features:**

Parameter	Advantages
Control functions	1, Power setting On/Off
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
Remote control	GPIO/Ethernet
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.

**Environmental Conditions:**

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

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

**Ordering Information:**

Part Number	Description	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