

This 2U SSPA utilizes state-of-the-art GaN devices making it very efficient, while at the same time producing over 180W of RF power. It has several protection circuits including load VSWR protection and thermal protection. It also features a touch screen LCD interface on the front panel for SSPA gain control and monitoring. The SSPA can also be controlled via Ethernet WAN/LAN using a simple browser based control panel. This feature packed unit's rugged construction guarantees fault-free operation in the most extreme environments.



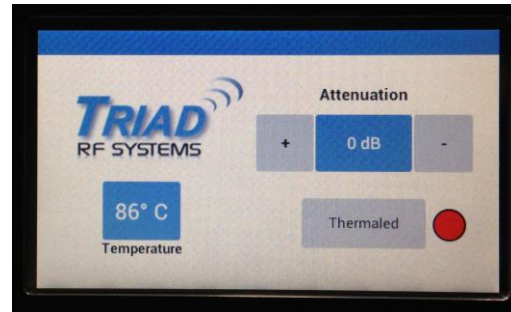
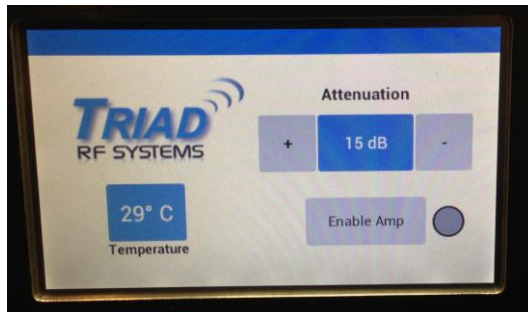
<b>Electrical Specifications</b>				
Parameter	Min	Typ.	Max	Unit
Operating Frequency	700		2700	MHz
P1dB Power Output	47			dBm
Psat Power Output		51		dBm
Gain	45	50		dB
Gain Adjustment	Gain Adjustable up to 20dB with gain control option			
Gain Flatness			± 1.5	dB
Operating Voltage / Frequency Range	85-264 VAC / 50-60 Hz			

<b>Mechanical</b>		
Parameter	Value	Unit
Dimensions (LWH)	20 X 19 X 3.5	Inches
RF Connectors (Input / Output)	N-Female	--
AC Connector (Power Cord Included)	IEC C14	--
Cooling	Internal Forced Air	--
Mounting	8-32 or 10-32 Screws for front panel mount	--
Transport	Front Panel rack handles included with unit	--

<b>Environmental / Protections</b>				
Parameter	Min	Typ.	Max	Unit
Ambient Operating Temp.	-10		+50	°C
Storage Temp Range (Non-Operating)	-55		+85	°C
Altitude	0-30,000			ft.
Load VSWR @ 100 Watts Pout	∞ at all amplitudes / phase angles			--

<b>Front Panel Features</b>	
<b>Description</b>	<b>Specification</b>
Power Switch	Turns system on and sets amplifier to stand-by mode Switch illuminated blue when system on
LCD Display	See description below

<b>LCD Touchscreen Display</b>	
<b>Description</b>	<b>Function / Usage</b>
Temperature Monitor	Displays amplifier internal temperature
Amp Enable Button / Status Display	Press <b>Amp Enable</b> to enable, Press <b>Amp Disable</b> to disable. Button will also report amplifier status if system is in over-temperature condition or other system failure has occurred
Attenuation	Press <b>+</b> or <b>-</b> to increase or decrease the attenuator. 20 dB range.
Status Display	Green Circle = System OK Amber Circle = System near thermal shut-off point Red Circle = Amplifier thermal shut down protection has occurred



<b>Back Panel Connectors</b>		
<b>Connector ID</b>	<b>Connector Type</b>	<b>Description</b>
RS232	9 Pin D-Sub	Serial control and monitoring port
Ethernet	RJ-45	Ethernet control and monitoring port - web browser based interface available
AC Input	IEC C14	85-264VAC / 50-60 Hz Input