

NPAS-1000-26500-20-18

1~26.5GHz, 20dB, 18dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	1~26.5GHz
Gain:	20dB min.
Gain Flatness:	±2.5dB typ.
Output Power (P1dB):	18dBm min.
Noise Figure:	10dB typ.
Spurious:	-60dBc max.
VSWR:	2 typ. 2.6 max.
Voltage:	220V AC
Input Power:	+18dBm max.
Impedance:	50Ω

Mechanical

Size ^{*1} :	166*106.4*56.4mm 6.535*4.189*2.22in
Weight:	1Kg max.
RF Connectors:	SMA Female or 2.92mm Female

[1] Exclude connectors, rack mount brackets, handles.

How To Order

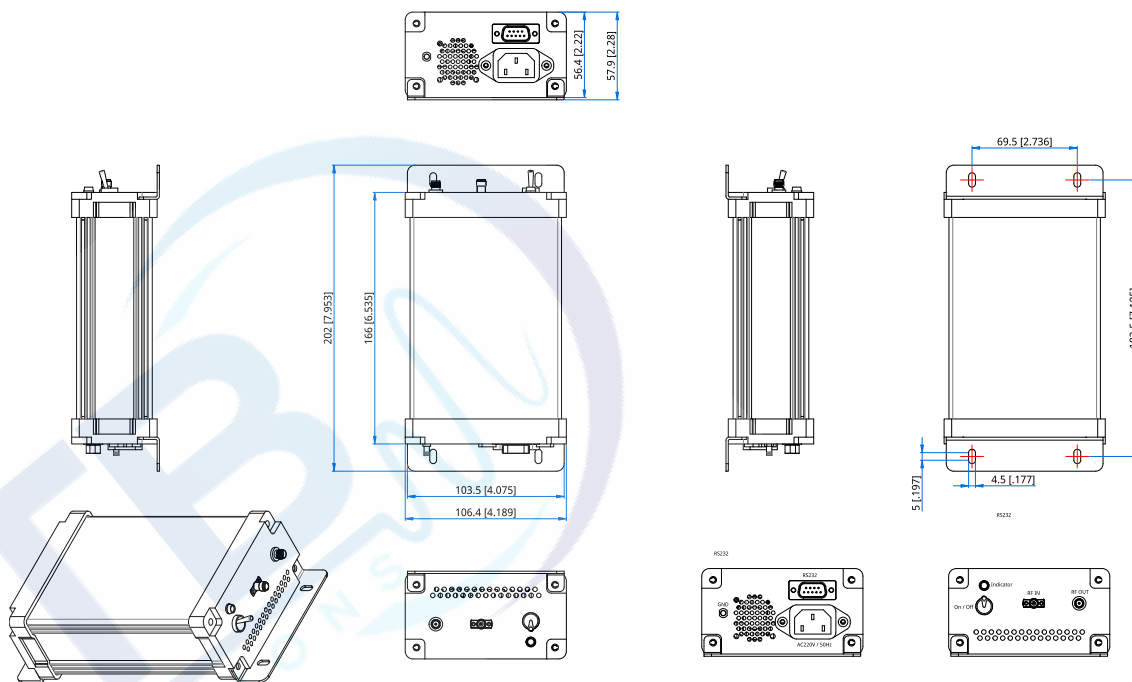
NPAS-1000-26500-20-18

Customization is available upon request.

Environmental

Operating Temperature:	-20~+50°C
Non-operating Temperature:	-40~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-108-400-55-54S

0.108~0.4GHz, 55dB, 54dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	0.108~0.4GHz
Power Gain:	55dB typ.
Gain Flatness:	±1.5dB typ.
Output Power (Psat):	54dBm min.
2th Harmonic:	-12dBc typ.
Spurious:	-60dBc typ.
Input VSWR:	1.45 typ.
Output VSWR:	2 typ.
Voltage:	+220V AC
Input Power:	+3dBm max.
Impedance:	50Ω

Mechanical

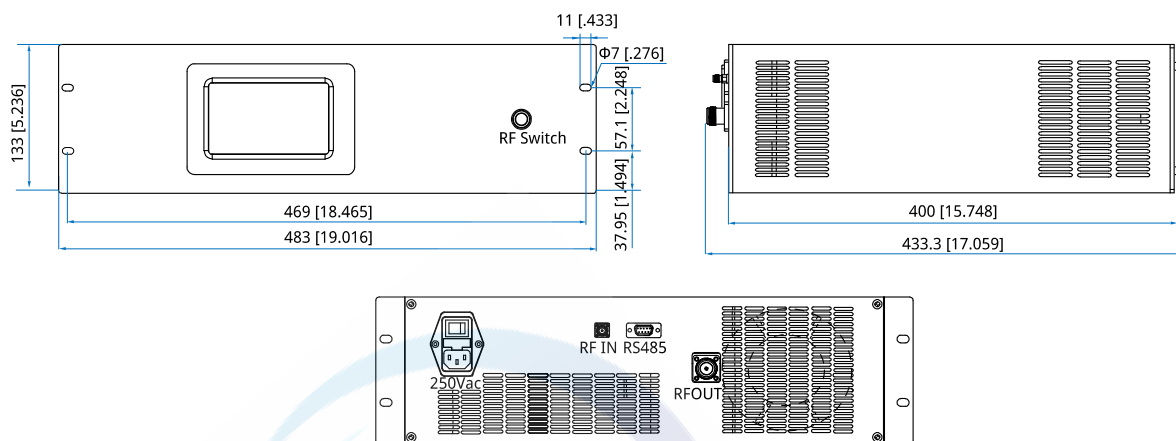
Size*1:	483*440*133mm
	19.016*17.323*5.236in
RF In Connectors:	SMA female
RF Out Connectors:	N female
Power Supply Interface:	AC-03 10A/250V
Cooling:	Forced air

[1] Exclude connectors, rack mount brackets, handles.

Environmental

Operating Temperature: -10~+50°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NPAS-108-400-55-54S

Customization is available upon request.

NPAS-2000-18000-40-38S

2~18GHz, 40dB, 38dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	2~18GHz
Gain:	40dB min.
Gain Flatness:	±2.5dBm typ.
Output Power (Psat):	38dBm min.
Spurious:	-55dBc max.
Harmonic:	-10dBc max.
VSWR:	2 typ.
Voltage:	+220V DC
Power:	60W typ.
Input Power:	+10dBm max.
Impedance:	50Ω

Mechanical

Size*1:	166*106.4*56.4mm 6.535*4.189*2.22in
Weight:	3Kg max.
RF Connectors:	SMA Female
Power Supply & Control	J30J-92K
Interface:	

[1] Exclude connectors, rack mount brackets, handles.

How To Order

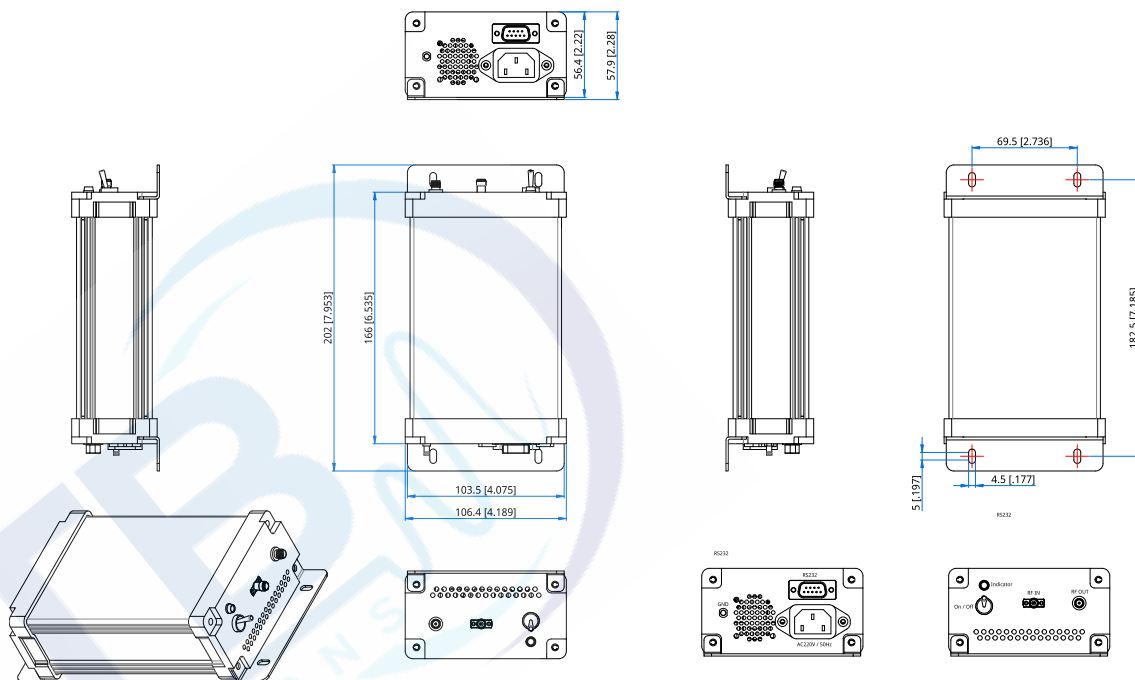
NPAS-2000-18000-40-38S

Customization is available upon request.

Environmental

Operating Temperature:	-20~+50°C
Non-operating Temperature:	-55~+70°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-2000-18000-40-40S

2~18GHz, 40dB, 40dBm

- Features:

 - * Small Size
 - * Low Power Consumption
- Applications:

 - * Wireless
 - * Transmitter
 - * Laboratory Test

Electrical

Frequency:	2~18GHz
Power Gain:	40dB min.
Gain Flatness:	±3.0dB typ.
Output Power (Psat):	40dBm min.
Harmonic:	-15dBc typ.
Spurious:	-60dBc max.
Input VSWR:	1.5 typ.
Output VSWR:	2.0 typ.
Voltage:	+220V AC

Mechanical

Size*1:	430*500*44.3mm
	16.929*19.685*1.744in
Connectors:	SMA Female
Cooling:	Built-in Forced Air Cooling

[1] Exclude connectors, rack mount brackets, handles.

How To Order

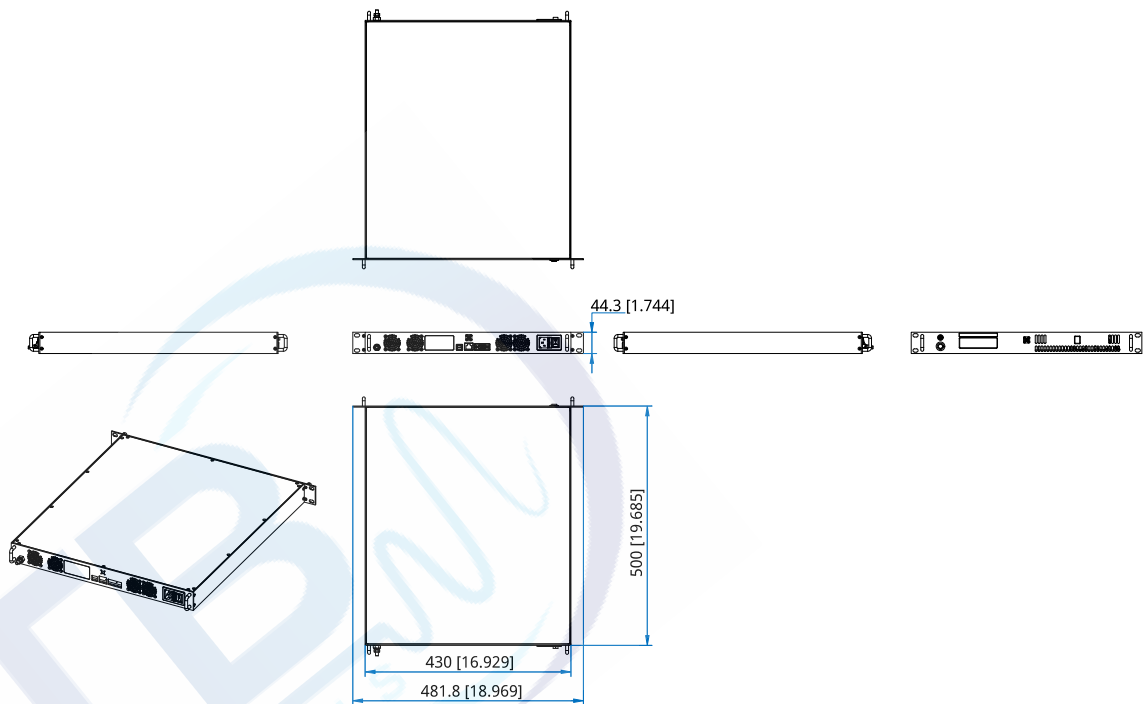
NPAS-2000-18000-40-40S

Customization is available upon request.

Environmental

Operating Temperature:	-20~+50°C
Non-operating Temperature:	-40~+85°C

Outline Drawings



Unit: mm [in] Tolerance: ±0.2mm [±0.008in]

NPAS-2000-6000-40-46S

2~6GHz, 40dB, 46dBm

- Features:

 - * Small Size
 - * Low Power Consumption
- Applications:

 - * Wireless
 - * Transmitter
 - * Laboratory Test

Electrical

Frequency:	2~6GHz
Gain:	40dB min.
Gain Control (Optional):	0~20dB, 1dB step
Gain Flatness:	±3.0dB typ.
Output Power (Psat):	46dBm min.
Harmonic:	-15dBc typ.
Spurious:	-60dBc max.
Input VSWR:	1.5 typ.
Output VSWR:	2.0 typ.
Voltage:	220V AC
Input Power Without Damage:	15dBm max.
Protection:	Turn off automatically on temperature, voltage, current and VSWR exception.
Control interface(Optional):	LAN or RS422/RS232 or USB
Display:	LCD
Status:	Temperature, ON/OFF, Voltage, Current.

Mechanical

Size:	481.8*500*88.5mm 18.969*19.685*3.484in
Weight:	20kg max
RF Connectors:	SMA Female, N Female
Cooling:	Forced Air

Environmental

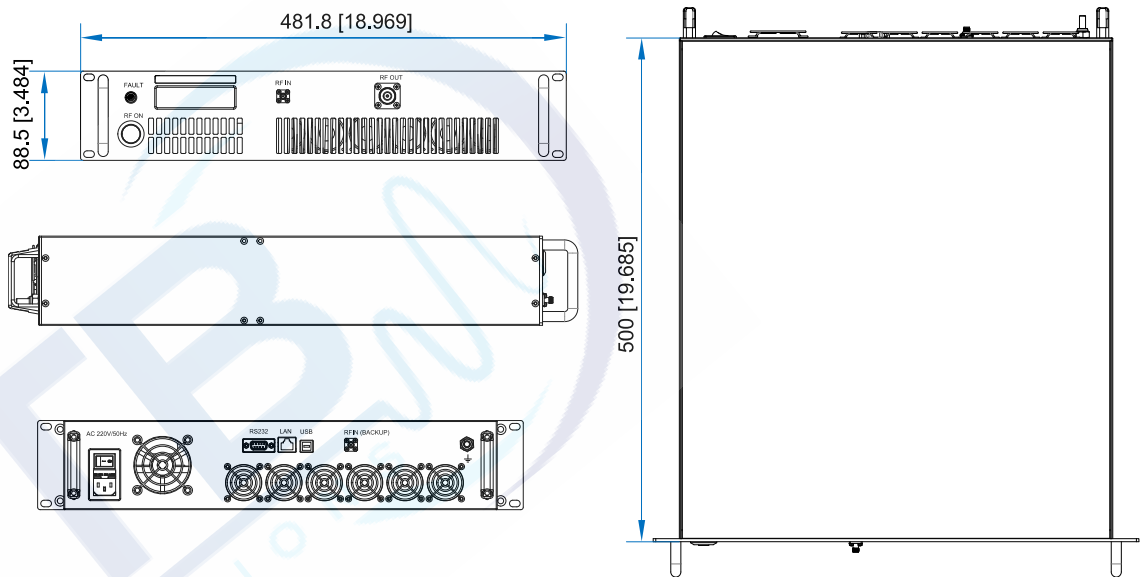
Operating Temperature:	-10~+50℃
Non-operating Temperature:	-30~+85℃

How To Order

NPAS-2000-6000-40-46S

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-200-2000-40-47S

0.2~2GHz, 40dB, 47dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	0.2~2GHz
Power Gain:	40dB typ.
Gain Flatness:	±2.5dB typ.
Output Power (Psat):	47dBm typ.
2th Harmonic:	-12dBc typ.
Spurious:	-65dBc typ.
Input VSWR:	1.45 typ.
Output VSWR:	2 typ.
Voltage:	+220V AC
Input Power:	+15dBm max.
Impedance:	50Ω

Mechanical

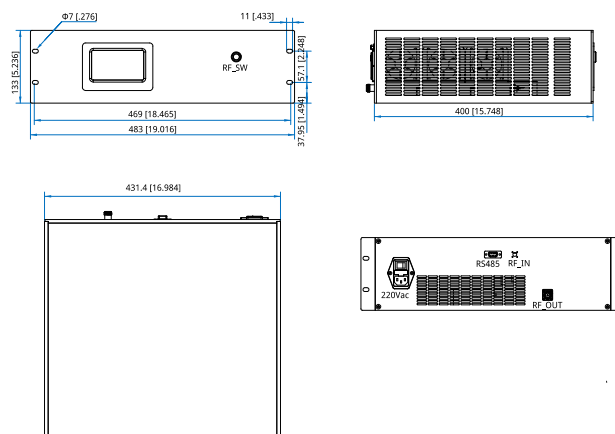
Size*1:	483*400*133mm 19.016*15.748*5.236in
RF In Connectors:	SMA female
RF Out Connectors:	N female
Power Supply Interface:	AC-03 20A/250V
Cooling:	Forced air

[1] Exclude connectors, rack mount brackets, handles.

Environmental

Operating Temperature:	0~+50°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NPAS-200-2000-40-47S

Customization is available upon request.

NPAS-20-1000-49-49S

20~1000MHz, 49dB, 49dBm

- Features:

 - * Small Size
 - * Low Power Consumption
- Applications:

 - * Wireless
 - * Transmitter
 - * Laboratory Test

Electrical

Frequency:	20~1000MHz
Gain:	49dB min.
Gain Flatness:	4±1dB max.
Input VSWR:	2 max.
Output Power (Psat):	49dBm min.
Input Power:	+10dBm max.
Spurious:	-65dBc max.
Harmonic:	10dBc max.
Voltage:	220V DC
Current:	7A max
Impedance:	50Ω

Mechanical

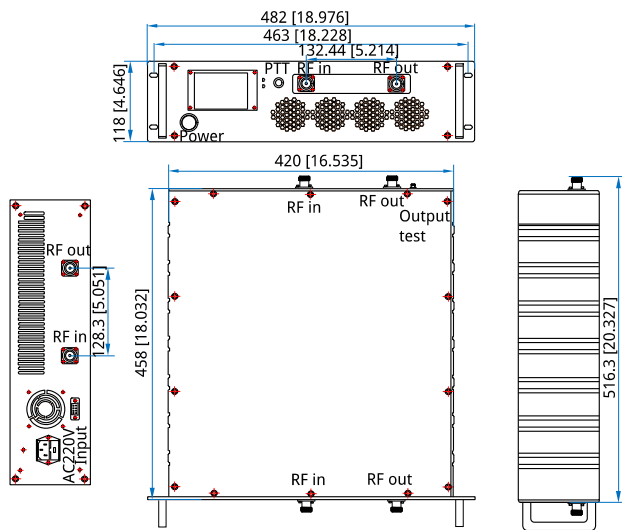
Size*1:	458*420*118mm
	18.032*16.535*4.646in
RF Connectors:	N Female

[1] Exclude connectors.

Environmental

Operating Temperature:	-25~+55°C
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Outline Drawings



Unit: mm [in]
Tolerance: ±0.5mm [±0.02in]

How To Order

NPAS-20-1000-49-49S

Customization is available upon request.

NPAS-20-2700-50-44S

0.02~2.7GHz, 50dB, 44dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	0.02~2.7GHz
Gain:	50dB min.
Gain Flatness:	±2.5dB typ.
Output Power (Psat):	44dBm min.
Harmonic:	-10dBc max.
Spurious:	-50dBc max.
VSWR:	2.2 typ.
Voltage:	220V AC
Current:	2A typ.

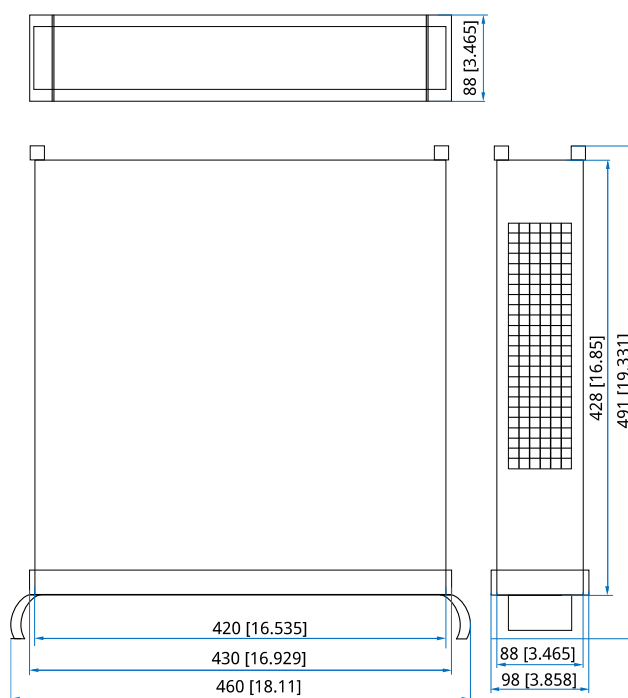
Mechanical

Size:	460*491*88mm
	18.11*19.331*3.465in
Size:	2U, depth 350mm
RF Connectors:	N Female

Environmental

Operating Temperature:	-20~+65°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NPAS-20-2700-50-44S

Customization is available upon request.

NPAS-20-500-40-50S

0.02~0.5GHz, 40dB, 50dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	0.02~0.5GHz
Power Gain:	40dB min.
Gain Flatness:	±2.5dB max.
Output Power (Psat):	50dBm min.
2th Harmonic:	-12dBc typ.
Spurious:	-60dBc typ.
Input VSWR:	1.45 typ.
Output VSWR:	2 typ.
Voltage:	+220V AC
Input Power:	+13dBm max.
Impedance:	50Ω

Mechanical

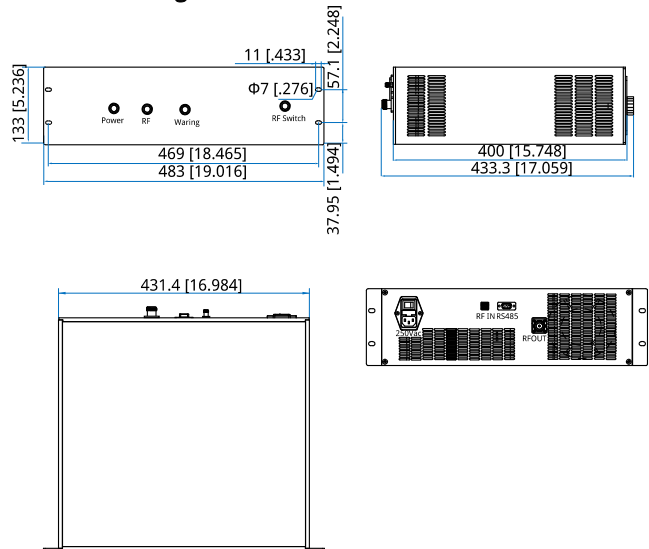
Size*1:	483*400*133mm 19.016*17.059*5.236in
RF In Connectors:	SMA female
RF Out Connectors:	N female
Power Supply Interface:	AC-03 20A/250V
Cooling:	Forced air

[1] Exclude connectors, rack mount brackets, handles.

Environmental

Operating Temperature:	0~+50°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NPAS-20-500-40-50S

Customization is available upon request.

NPAS-23000-25000-40-40S

23~25GHz, 40dB, 40dBm

- Features:

 - * Small Size
 - * Low Power Consumption
- Applications:

 - * Wireless
 - * Transmitter
 - * Laboratory Test

Electrical

Frequency:	23~25GHz
Power Gain:	40dB min.
Gain Flatness:	±2.0dB typ.
Output Power (Psat):	40dBm max.
Spurious:	-60dBc max.
Input Power:	+10dBm max.
Input VSWR:	1.8 typ.
Voltage:	220V AC
Impedance:	50Ω

Mechanical

Size*1:	274*238*50mm
	10.787*9.37*1.969in
Weight:	5kg max
RF Connectors:	2.92mm

Environmental

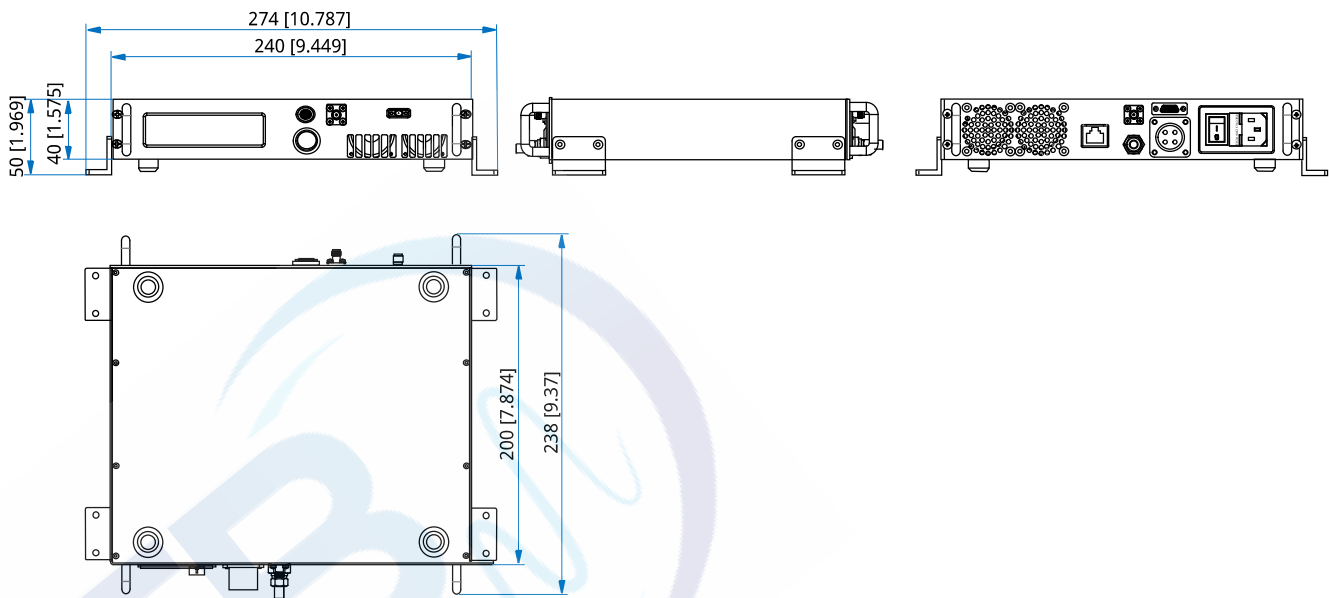
Operating Temperature:	-20~+50°C
Non-operating Temperature:	-40~+85°C

How To Order

NPAS-23000-25000-40-40S

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-23000-25000-40-43S

23~25GHz, 40dB, 43dBm

- Features:

 - * Small Size
 - * Low Power Consumption
- Applications:

 - * Wireless
 - * Transmitter
 - * Laboratory Test

Electrical

Frequency:	23~25GHz
Power Gain:	40dB min.
Gain Flatness:	±2.0dB typ.
Output Power (Psat):	43dBm max.
Spurious:	-60dBc max.
Input Power:	+10dBm max.
Input VSWR:	1.8 typ.
Voltage:	220V AC
Impedance:	50Ω

Mechanical

Size*1:	481.8*350*44.3mm
	18.969*13.78*1.744in
Weight:	15kg max
RF Connectors:	2.92mm

Environmental

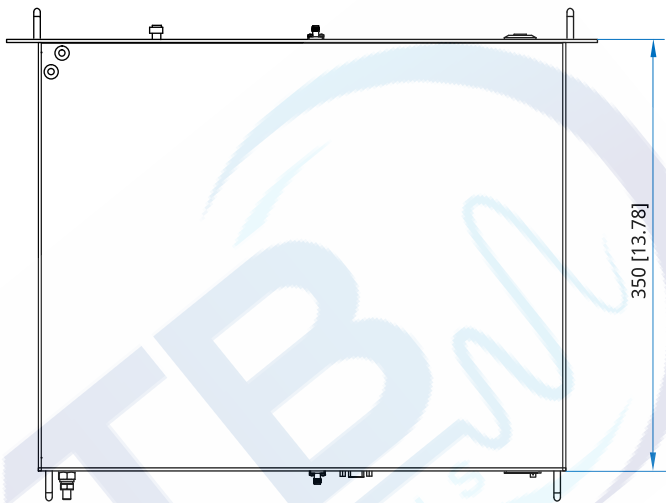
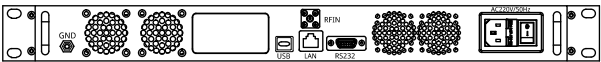
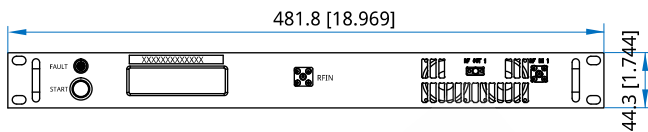
Operating Temperature:	-20~+50°C
Non-operating Temperature:	-40~+85°C

How To Order

NPAS-23000-25000-40-43S

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-24000-43000-30-30S

24~43GHz, 30dB, 30dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	24~43GHz
Power Gain:	30dB min.
Intermodulation Rejection Ratio:	-40dBc@20dBm
Gain Flatness:	±3.0dB typ.
Output Power:	30dBm min.
Spurious:	-60dBc max.
Input Power:	+15dBm max.
Input VSWR:	2 typ.
Voltage:	220V AC
Impedance:	50Ω
Protection Function:	With reflected standing wave protection function.

Mechanical

Size:	481.8*500*44.3mm
	18.969*19.685*1.744in
RF Connectors:	2.4mm

Environmental

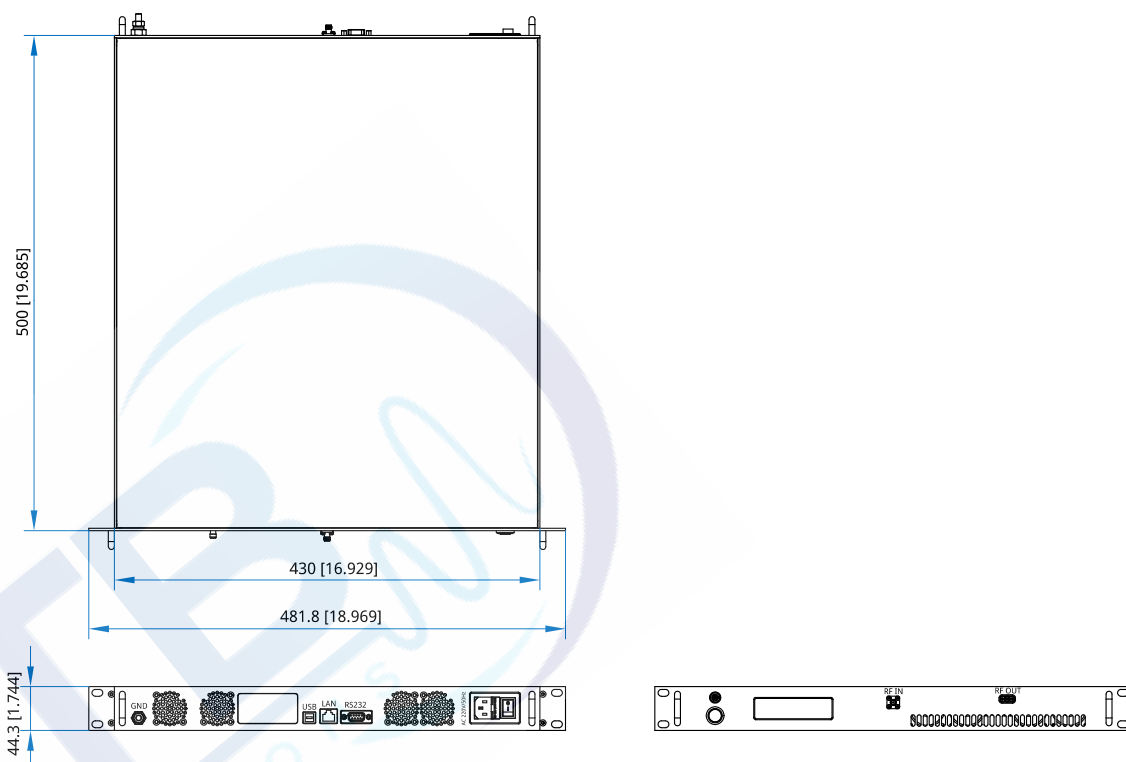
Operating Temperature:	-20~+50°C
Non-operating Temperature:	-40~+85°C

How To Order

NPAS-24000-43000-30-30S

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-30-1000-40-47S

0.03~1GHz, 40dB, 47dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	0.03~1GHz
Power Gain:	40dB min.
Gain Flatness:	±2.5dB typ.
Output Power (Psat):	47dBm typ.
2th Harmonic:	-15dBc typ.
Spurious:	-65dBc typ.
Input VSWR:	1.45 typ.
Output VSWR:	2 typ.
Voltage:	+220V AC typ.
Input Power:	+15dBm max.
Impedance:	50Ω

Mechanical

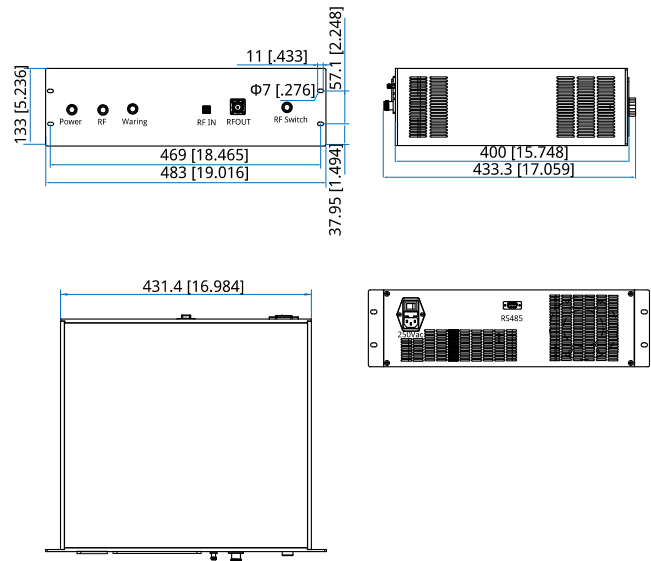
Size*1:	483*400*133mm 19.016*15.748*5.236in
RF In Connectors:	SMA female
RF Out Connectors:	N female
Power Supply Interface:	AC-03 20A/250V
Cooling:	Forced air

[1] Exclude connectors, rack mount brackets, handles.

Environmental

Operating Temperature:	-10~+50°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NPAS-30-1000-40-47S

Customization is available upon request.

NPAS-3300-4900-55-55S

3.3~4.9GHz, 55dB, 55dBm

- Features:

 - * Small Size
 - * Low Power Consumption
- Applications:

 - * Wireless
 - * Transmitter
 - * Laboratory Test

Electrical

Frequency:	3.3~4.9GHz
Gain:	55dB min.
Gain Flatness:	±1.5dB typ.
Output Power (Psat):	55dBm min.
Gain Control (Optional):	0~40dB, 1dB step
Harmonic:	-30dBc typ.
Spurious:	-60dBc max.
IM3 (@44dBm/Tone, 1MHz Spacing):	-30 typ.
Input VSWR:	1.5 max.
Output VSWR:	2 typ.
Voltage:	+220V AC
Power:	20W typ. 1500W max.
Protection:	Turn off automatically on temperature, voltage, current, output VSWR exception.
Control interface(Optional):	LAN or RS232/422 or USB
Display:	LCD
Status:	Temperature, ON/OFF, Voltage, Current, Gain.

Mechanical

Size:	481.8*500*88.5mm 18.969*19.685*3.484in
Weight:	15kg max.
RF Connectors:	N Female
Cooling:	Forced Air

Environmental

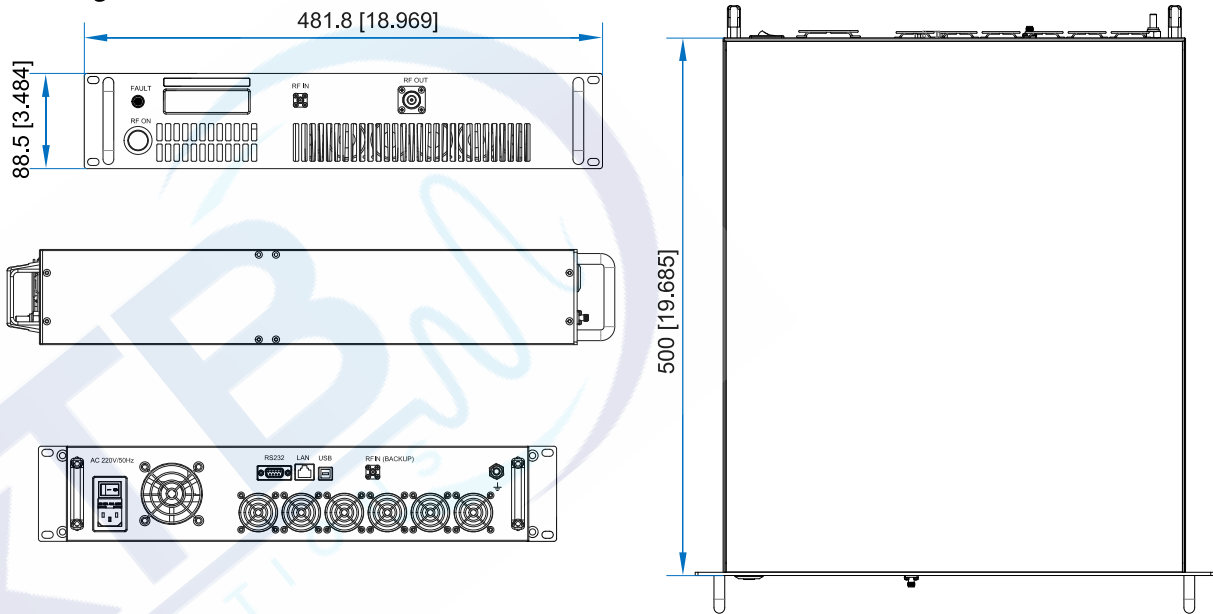
Operating Temperature:	0~+50°C
Non-operating Temperature:	-20~+85°C

How To Order

[NPAS-3300-4900-55-55S](#)

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-47000-51000-55-43S

47~51GHz, 55dB, 43dBm

Features:

- * Broadband
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	47~51GHz
Output Power (Psat):	43dBm min.
Gain:	55dB min.
Gain Flatness:	4dB typ
Gain Adjustment Range:	20dB
Step:	0.1dB
IM3 (2-Tone @ 37dBm/Tone, 5MHz Spacing):	-25dBc typ.
Spurious:	-60dBc max.
Input VSWR:	1.6 max.
Gain Stability:	±0.25dB/24h max.
Am/PM Conversion:	5°/dB @Output Power 43dBm max.
Group Delay:	2ns@Any 600MHz
Voltage:	220V AC
Power:	800W max.
Monitor & Protection:	With temperature, voltage, current monitoring, over-voltage, over-current, over temperature protection; with output power monitoring, input overdrive and VSWR protection

Mechanical

Size*1:	328.5*226*180.5mm 12.933*8.898*7.106in
Weight:	16.5kg
RF Connector:	WR-19
Power Supply Interface:	Circular Connector
Monitoring Interface:	Circular Connector
Standby Interface:	DB9

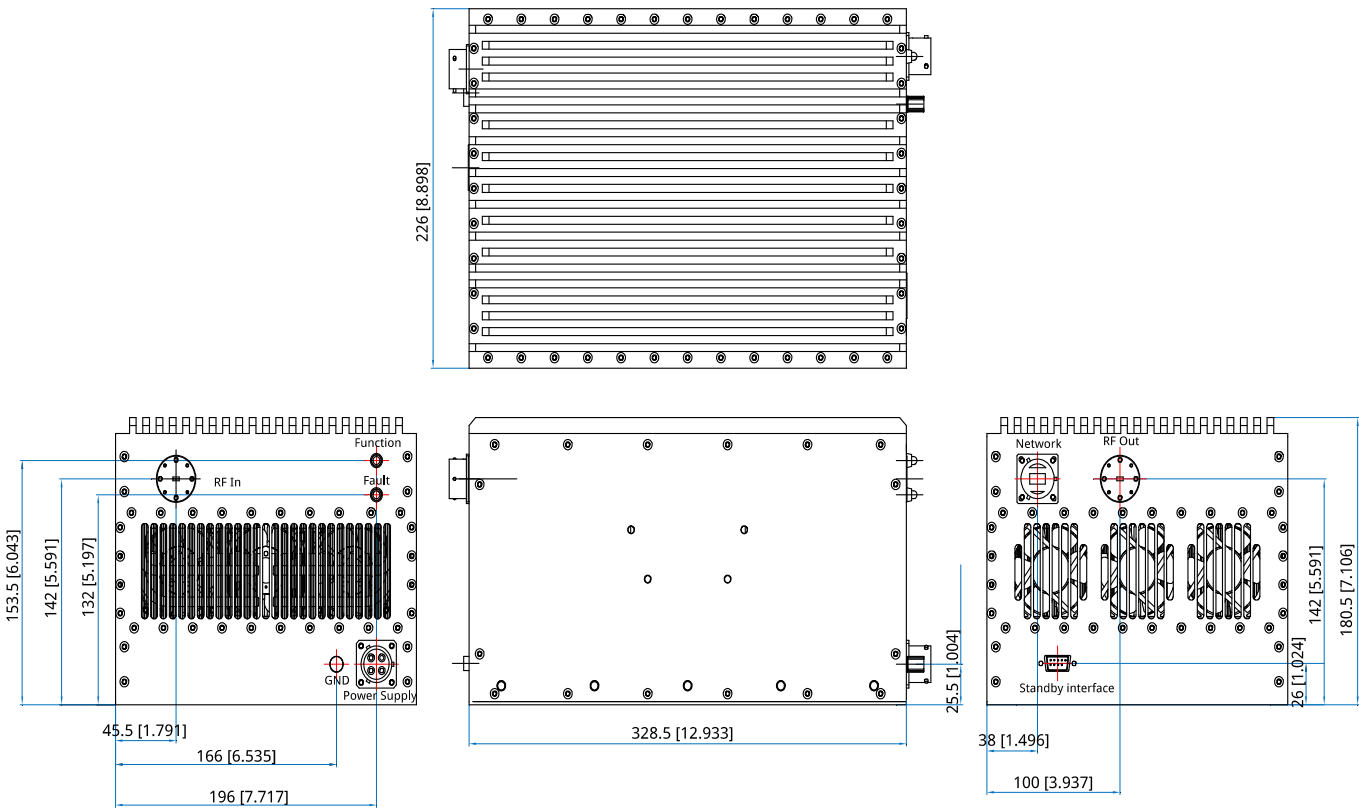
[1] Exclude connectors.

Environmental

Operating Temperature: -40~+55°C

How To Order**NPAS-47000-51000-55-43S**

Customization is available upon request.



Unit: mm [in]
Tolerance: $\pm 0.2\text{mm}$ [$\pm 0.008\text{in}$]

NPAS-5000-6000-55-63S

5~6GHz, 55dB, 63dBm

- Features:

 - * Small Size
 - * Low Power Consumption
- Applications:

 - * Wireless
 - * Transmitter
 - * Laboratory Test

Electrical

Frequency:	5~6GHz
Gain:	55dB min.
Gain Control (Optional):	0~30dB, 1dB step
Gain Flatness:	±1.0dB typ.
Output Power (Psat):	63dBm min.
Harmonic:	-15dBc typ.
Spurious:	-60dBc max.
VSWR:	2.0 typ.
Voltage:	220V AC
Pulse Width:	200 uS max.
Duty Cycle:	10% max.
RF Pulse Modulation:	TTL
Pulse Rise Time:	30nS typ.
Pulse Fall Time:	50nS typ.
ON/OFF:	TTL
Power ON Time:	150nS typ.
Power OFF Time:	800nS typ.
Protection:	Turn off automatically on temperature, voltage, current exception.
Control interface(Optional):	LAN or RS422/RS232 or USB
Display:	LCD
Status:	Temperature, ON/OFF, Voltage, Current, Gain.

Mechanical

Size:	482.6*559*132.5mm 19*22.008*5.217in
Weight:	25kg max
RF Connectors:	SMA Female, N Female
Cooling:	Forced Air

Environmental

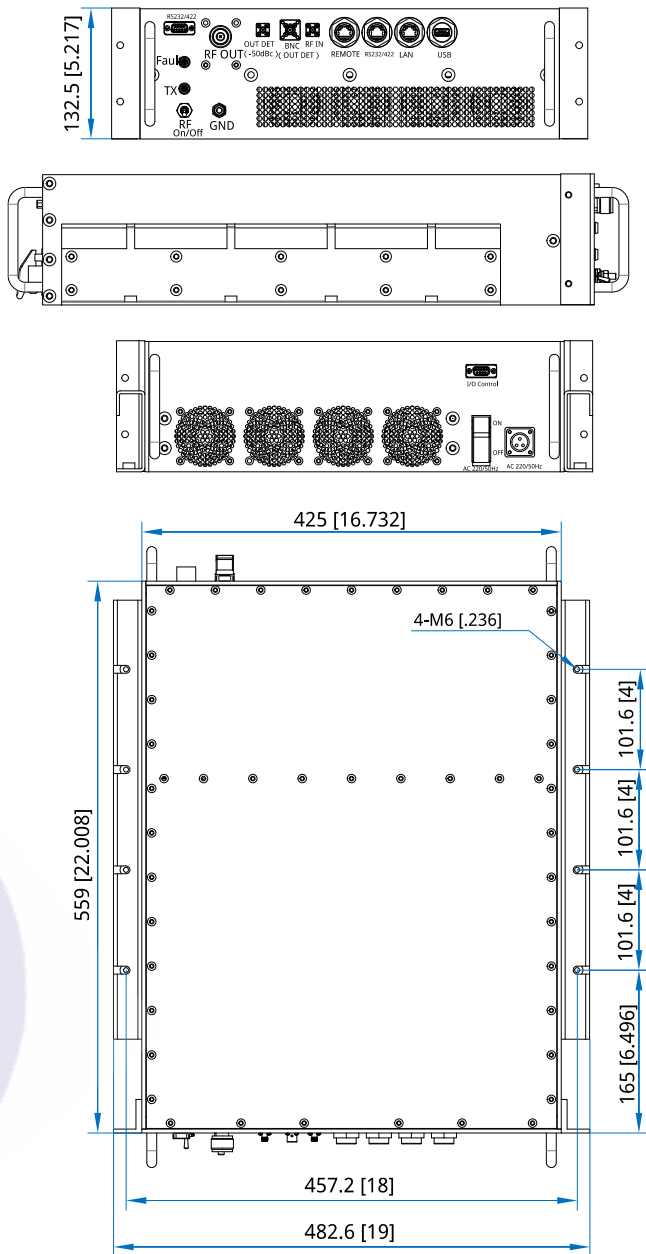
Operating Temperature:	-10~+50°C
Non-operating Temperature:	-30~+85°C

How To Order

NPAS-5000-6000-55-63S

Customization is available upon request.

Outline Drawings



Unit: mm [in]
Tolerance: ±0.2mm [±0.008in]

NPAS-500-2700-47-47S

500~2700MHz, 47dB, 47dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	500~2700MHz
Gain:	47dB min.
Gain Flatness:	4±1dB max.
Input VSWR:	2 max.
Output Power (Psat):	47dBm min.
Input Power:	+10dBm max.
Spurious:	-65dBc max.
Harmonic:	-10dBc max.
Voltage:	220V DC
PTT:	Default closed, Keys open
Impedance:	50Ω

Mechanical

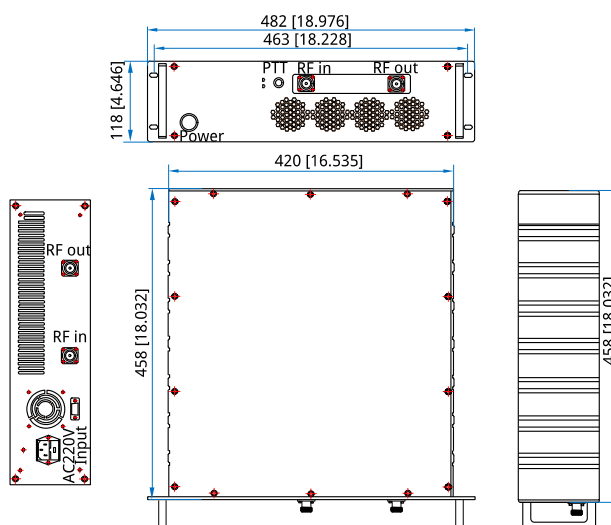
Size*1:	458*420*118mm
	18.032*16.535*4.646in
RF Connectors:	N Female

[1] Exclude connectors.

Environmental

Operating Temperature:	-25~+55°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.5mm [±0.02in]

How To Order

NPAS-500-2700-47-47S

Customization is available upon request.

NPAS-500-2700-51-50

0.5~2.7GHz, 51dB, 50dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	0.5~2.7GHz
Gain:	51dB min.
Gain Flatness:	±2.5dB max.
Output Power (P1dB):	50dBm min.
Harmonic:	-20dBc@Pout=120W max.
Spurious:	-70dBc@Pout=120W max.
Input VSWR:	2.0 max.
Output VSWR:	3.0 max.
Voltage:	+220V±10% AC, 50/60Hz
Input Power Without Damage:	5 dBm max.
Protection:	Turn off automatically on temperature, voltage, VSWR exception.

Mechanical

Size:	602.5*482.6*310.3mm 23.720*19.000*12.217in
Weight:	70kg max.
RF Connectors:	N Female
Cooling:	Forced Air

Environmental

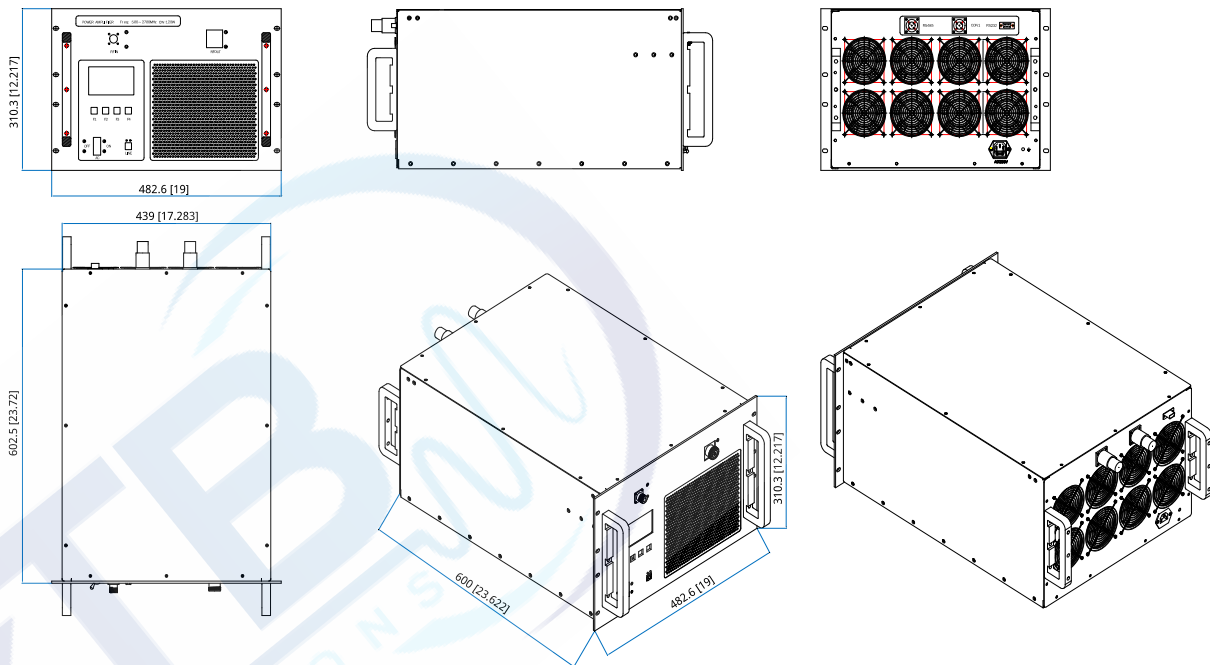
Operating Temperature:	0~+40°C
Non-operating Temperature:	-15~+65°C

How To Order

NPAS-500-2700-51-50

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-500-3000-50-50S

0.5~3GHz, 50dB, 50dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	0.5~3GHz
Power Gain:	50dB min.
Gain Flatness:	±2.5dB typ.
Gain Range:	0~30dB (Step: 0.25dB)
Output Power (Psat):	50dBm max.
Output Power (P1dB):	45dBm min.
2th Harmonic:	-10dBc typ.
Spurious:	-65dBc typ.
Input VSWR:	1.45 typ.
Output VSWR:	2 typ.
Voltage:	+220V AC
Input Power:	+5dBm max.
Impedance:	50Ω

Mechanical

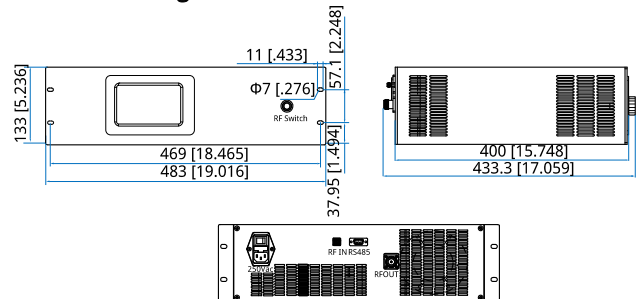
Size*1:	483*400*133mm 19.016*15.748*5.236in
RF In Connectors:	SMA female
RF Out Connectors:	N female
Power Supply Interface:	AC-03 20A/250V
Cooling:	Forced air

[1] Exclude connectors, rack mount brackets, handles.

Environmental

Operating Temperature:	-10~+50°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NPAS-500-3000-50-50S

Customization is available upon request.

NPAS-6000-18000-45-45S

6~18GHz, 45dB, 45dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	6~18GHz
Gain:	45dB min.
Gain Control (Optional):	0~40dB, 1dB step
Gain Flatness:	±2.5dB typ.
Output Power (Psat):	45dBm min.
Harmonic:	-15dBc typ.
Spurious:	-60dBc max.
VSWR:	2.0 typ.
Voltage:	+220V AC
Input Power Without Damage:	10 dBm max.
Protection:	Turn off automatically on temperature, voltage, current exception.
Control interface(Optional):	LAN or RS232 or USB
Display:	LCD
Status:	Temperature, ON/OFF, Voltage, Current, Gain.

Mechanical

Size:	481.8*338*44.3mm 18.969*13.307*1.744in
Weight:	10kg max.
RF Connectors:	SMA Female
Cooling:	Forced Air

Environmental

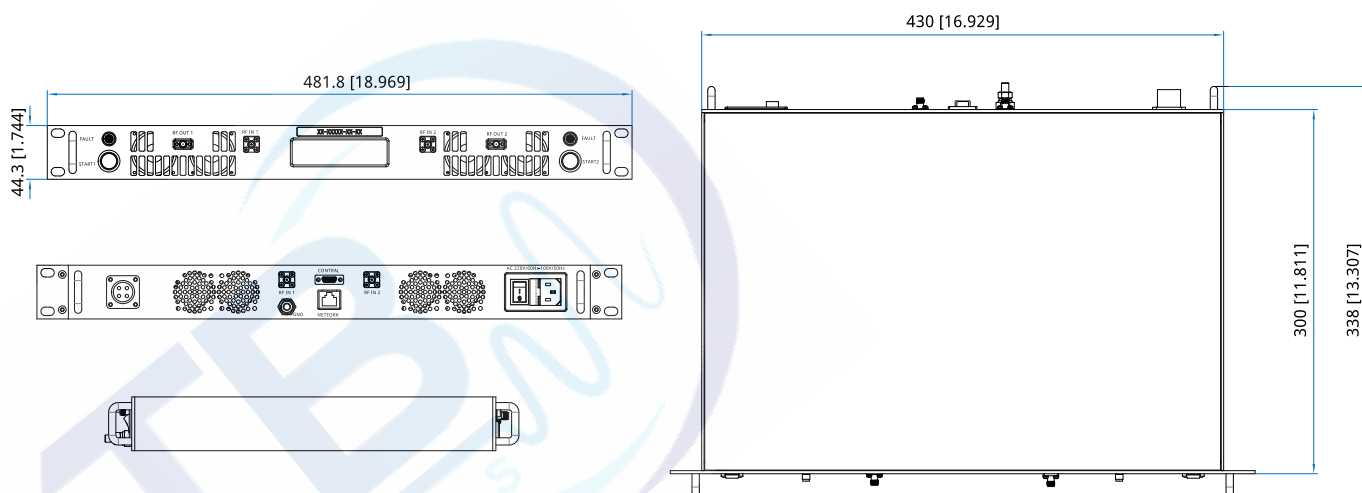
Operating Temperature:	-20~+50°C
Non-operating Temperature:	-40~+85°C

How To Order

NPAS-6000-18000-45-45S

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-6000-18000-68-54S

6~18GHz, 68dB, 54dBm

- Features:

 - * Broadband
 - * Low Power Consumption
- Applications:

 - * Wireless
 - * Transmitter
 - * Laboratory Test

Electrical

Frequency:	6~18GHz
Output Power (Psat):	54dBm min.
Gain:	68dB min.
Gain Flatness:	±5.3dB
Input VSWR:	2 max.
Spurious:	-60dBc max.
Harmonic:	-15dBc typ.
Control interface (Optional):	LAN
Display:	LCD
Status:	Output power
Protection:	Temperature, input and VSWR exception.
Function:	ALC; Temperature, forward power, reverse Power detection.
Voltage:	220V AC

Mechanical

Size:	701.5*434*265mm
	27.618*17.087*10.433in
Weight:	47kg
RF Input Connector:	SMA Female
RF Output Interface:	WRD500D36
Power Supply Interface:	Y50DX5-1404Z30J
Control Interface:	RJ45
Reserved Interface:	RS-232
Cooling:	Forced Air

Environmental

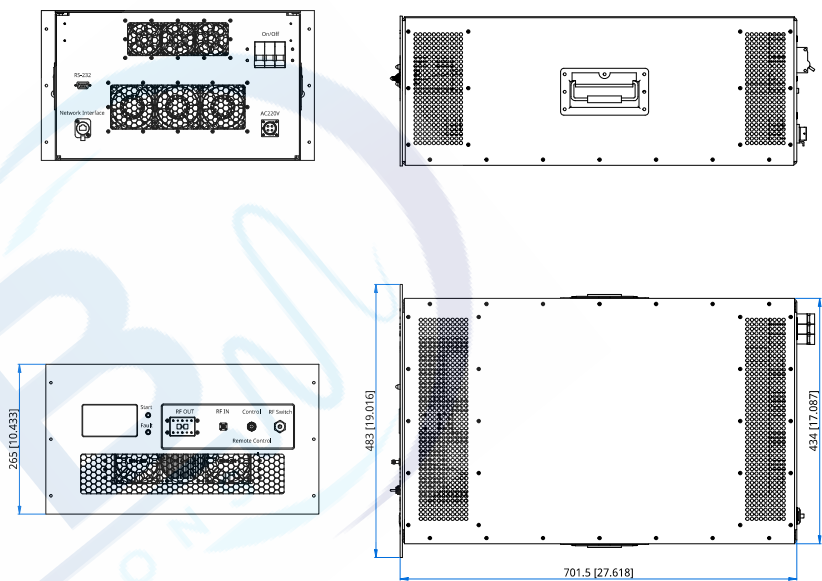
Operating Temperature:	-10~+40°C
Non-operating Temperature:	-20~+50°C

How To Order

NPAS-6000-18000-68-54S

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-600-6000-43-43S

0.6~6GHz, 43dB, 43dBm

- Features:

 - * Broadband
 - * Low Power Consumption
- Applications:

 - * Wireless
 - * Transmitter
 - * Laboratory Test

Electrical

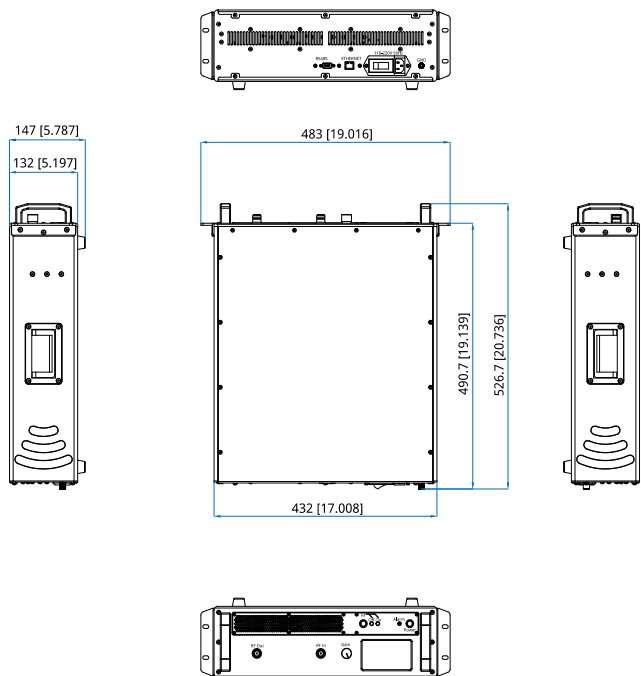
Frequency:	0.6~6GHz
Output Power (Psat):	43dBm min.
Input Power:	0dBm max.
Gain:	43dB min.
Gain Flatness:	±4dB max.
Input VSWR:	2 max.
Spurious:	-60dBc max.
Harmonic:	-15dBc max.
Impedance:	50Ω
Voltage:	220V AC

Mechanical

Size:	526.7*483*147mm 20.736*19.016*5.787in
RF Connector:	SMA Female
Power Supply & Control Interface:	RS485, LAN
Cooling:	Forced air

Environmental

Operating Temperature:	0~+50°C
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Unit: mm [in]
Tolerance: ±0.2mm [±0.008in]

How To Order

NPAS-600-6000-43-43S

Customization is available upon request.

NPAS-700-2000-40-40

0.7~2GHz, 40dB, 40dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	0.7~2GHz
Gain:	40dB typ.
Gain Flatness:	±1dBm typ.
Noise Figure:	2.5dB typ.
Output Power (P1dB):	40dBm typ.
Spurious:	-60dBc max.
Harmonic:	-20dBc max.
IP3:	23dB typ.
Input VSWR:	2 typ.
Output VSWR:	2 typ.
Voltage:	220V AC
Current:	3A typ.
Input Power Without Damage:	+10dBm max.

Mechanical

Size*1:	308*220*70mm
	12.126*8.661*2.756in
RF Connectors:	SMA Female
Mounting:	6-M4, depth 6mm

[1] Exclude connectors, rack mount brackets, handles.

Environmental

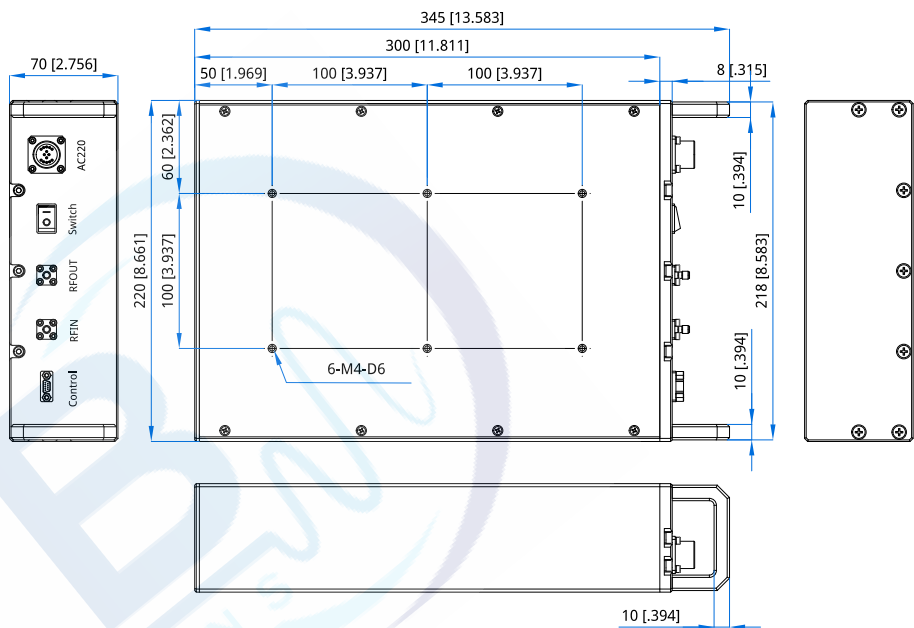
Operating Temperature:	-20~+65°C
Non-operating Temperature:	-30~+70°C

How To Order

NPAS-700-2000-40-40

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-700-2000-40-40S

0.7~2GHz, 40dB, 40dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	0.7~2GHz
Power Gain:	40dB min.
Gain Flatness:	±2dB max.
Output Power (Psat):	40dBm min.
2th Harmonic:	-15dBc typ.
Spurious:	-60dBc typ.
Input VSWR:	1.45 typ.
Output VSWR:	2 typ.
Voltage:	+220V AC
Input Power:	+3dBm max.
Impedance:	50Ω

Mechanical

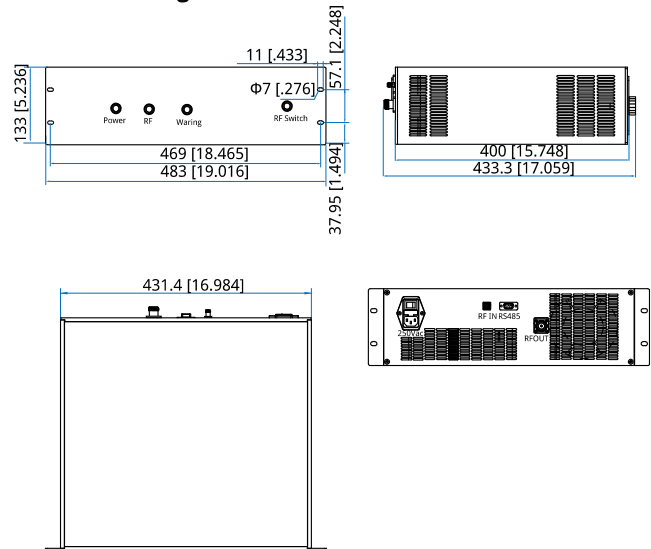
Size* ¹ :	483*400*133mm 19.016*15.748*5.236in
RF Connectors:	SMA female
Power Supply Interface:	AC-03 20A/250V
Cooling:	Forced air

[1] Exclude connectors, rack mount brackets, handles.

Environmental

Operating Temperature:	0~+50°C
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Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NPAS-700-2000-40-40S

Customization is available upon request.

NPAS-700-2500-50-52S

0.7~2.5GHz, 50dB, 52dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	0.7~2.5GHz
Gain:	50dB min.
Gain Control (Optional):	0~40dB, 1dB step
Gain Flatness:	±2dB typ.
Output Power (Psat):	52dBm min.
Harmonic:	-15dBc typ.
Spurious:	-60dBc max.
Input VSWR:	1.5 typ.
Output VSWR:	2.0 typ.
Voltage:	220V AC
Protection:	Turn off automatically on temperature, voltage, current and VSWR exception.
Control interface(Optional):	LAN or RS422/RS232 or USB
Display:	LCD
Status:	Temperature, ON/OFF, Voltage, Current.

Mechanical

Size:	481.8*500*88.5mm 18.969*19.685*3.484in
Weight:	25kg max
RF Connectors:	SMA Female, N Female

Environmental

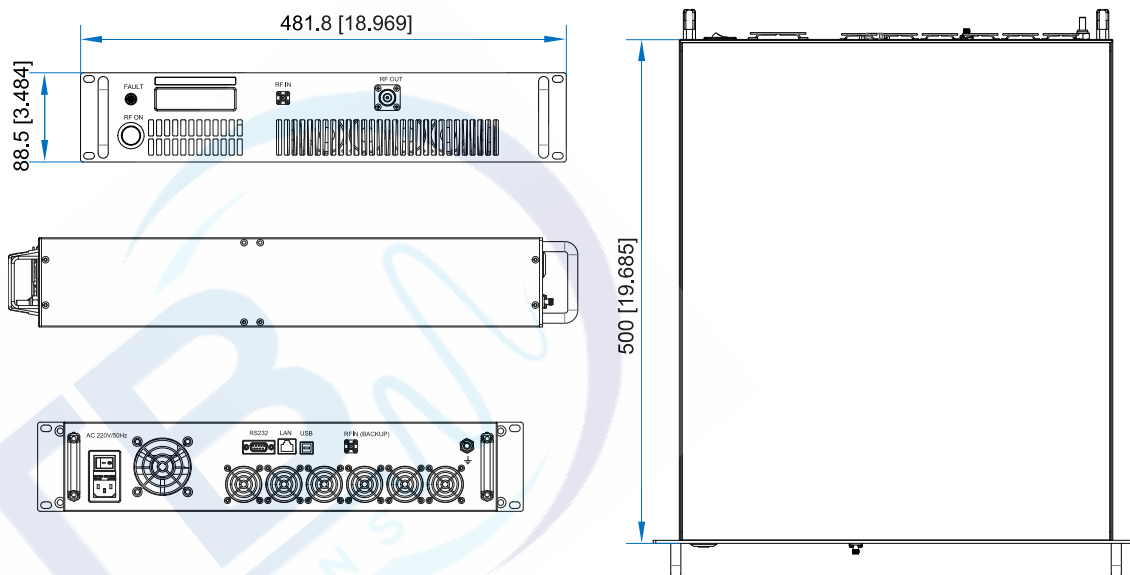
Operating Temperature:	-20~+50°C
Non-operating Temperature:	-40~+85°C

How To Order

NPAS-700-2500-50-52S

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-700-2500-55-52S

0.7~2.5GHz, 55dB, 52dBm

Features:

- * Small Size
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	0.7~2.5GHz
Gain:	55dB typ.
Gain Control (Optional):	-40~0dB, 0.25dB step
Gain Flatness:	±2.5dB typ.
Output Power (Psat):	52dBm typ.
2th Harmonic:	-20dBc typ. @Psat
Spurious (DC~10GHz):	-50dBc typ. @Psat
Input Power:	3dBm max.
Input VSWR:	1.45 typ.
Output VSWR:	2.0 typ.
Voltage:	220V AC
Protection:	Turn off automatically on temperature, voltage, current and VSWR exception.

Mechanical

Weight:	10kg max
RF In Connectors:	SMA Female
RF Out Connectors:	N Female
Power Supply Interface:	AC-03
Cooling:	Force air

Environmental

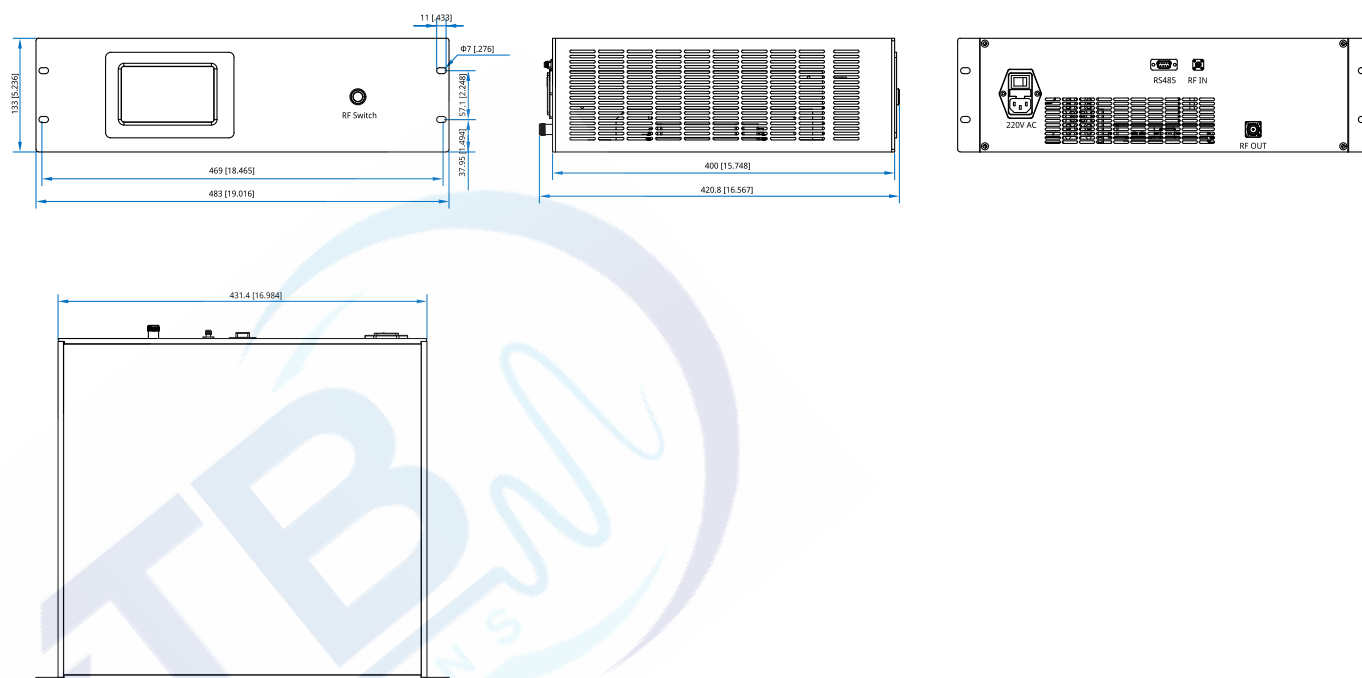
Operating Temperature:	0~+50°C
Non-operating Temperature:	-10~+50°C

How To Order

NPAS-700-2500-55-52S

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-700-2700-50-50S

0.7~2.7GHz, 50dB, 50dBm

- Features:

 - * Small Size
 - * Low Power Consumption
- Applications:

 - * Wireless
 - * Transmitter
 - * Laboratory Test

Electrical

Frequency:	700~2700MHz
Gain:	50dB min.
Gain Flatness:	±2dB max.
Output Power (Psat):	50dBm typ.
Harmonic:	-10dBc typ.
Spurious:	-60dBc typ.
VSWR:	2.0 typ.
Voltage:	220V AC
Input Power Without Damage:	0dBm max.

Mechanical

Size:	544.5*426*128mm
	21.437*16.772*5.039in
RF Connectors:	SMA Female, N Female
Control Connectors:	DB9
Cooling:	Forced Air

Environmental

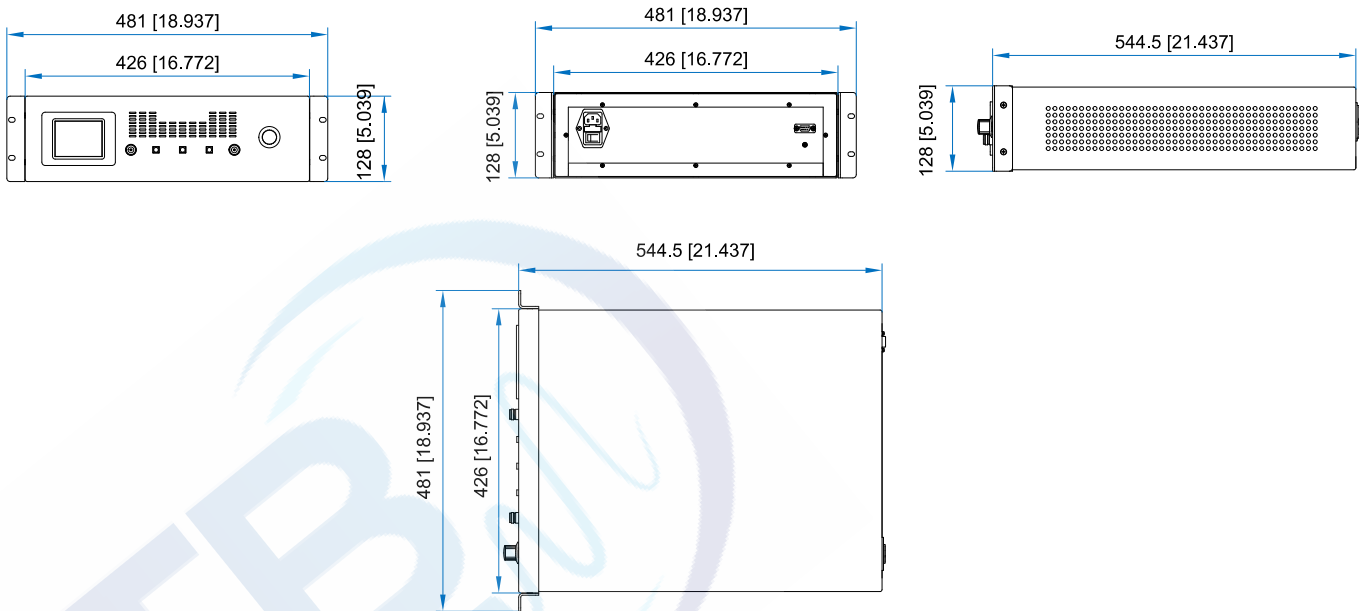
Operating Temperature:	0~+50°C
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How To Order

NPAS-700-2700-50-50S

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-700-6000-43-43S

0.7~6GHz, 43dB, 43dBm

Features:

- * Broadband
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	0.7~6GHz
Output Power (Psat):	43dBm min.
Output Power (P1dB):	40dBm min.
Input Power:	0dBm max.
Gain:	43dB min.
Small Signal Gain:	45dB min.
Gain Flatness:	±3dB max.
Input VSWR:	2 max.
Spurious:	-60dBc max.
Harmonic:	-10dBc max.
Impedance:	50Ω
Voltage:	90~240V AC

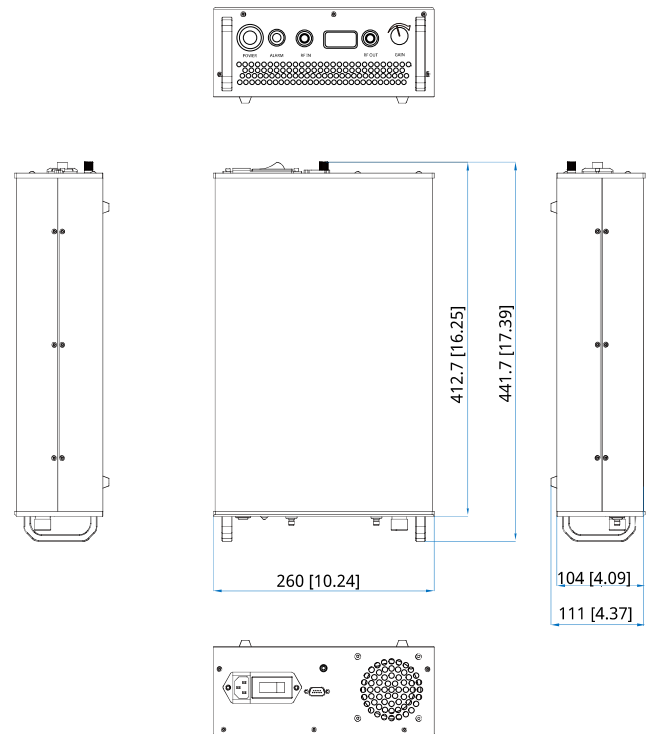
Mechanical

Size:	260*441.7*111mm 10.24*17.39*4.37in
Weight:	10kg
RF Connector:	SMA Female

Environmental

Operating Temperature:	0~+50°C
Non-operating Temperature:	-20~+65°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NPAS-700-6000-43-43S

Customization is available upon request.

NPAS-8000-12000-40-47S

8~12GHz, 40dB, 47dBm

- Features:

 - * Small Size
 - * Low Power Consumption
- Applications:

 - * Wireless
 - * Transmitter
 - * Laboratory Test

Electrical

Frequency:	8~12GHz
Gain:	40dB min.
Gain Control (Optional):	0~20dB, 1dB step
Gain Flatness:	±2.0dB typ.
Output Power (Psat):	47dBm min.
Harmonic:	-15dBc typ.
Spurious:	-60dBc max.
Input VSWR:	1.5 typ.
Output VSWR:	2.0 typ.
Voltage:	220V AC
Input Power Without Damage:	15 dBm max.
Protection:	Turn off automatically on temperature, voltage, current and VSWR exception.
Control interface(Optional):	LAN or RS422/RS232 or USB
Display:	LCD
Status:	Temperature, ON/OFF, Voltage, Current.

Mechanical

Size:	481.8*500*88.5mm 18.969*19.685*3.484in
Weight:	20kg max
RF Connectors:	SMA Female, N Female
Cooling:	Forced Air

Environmental

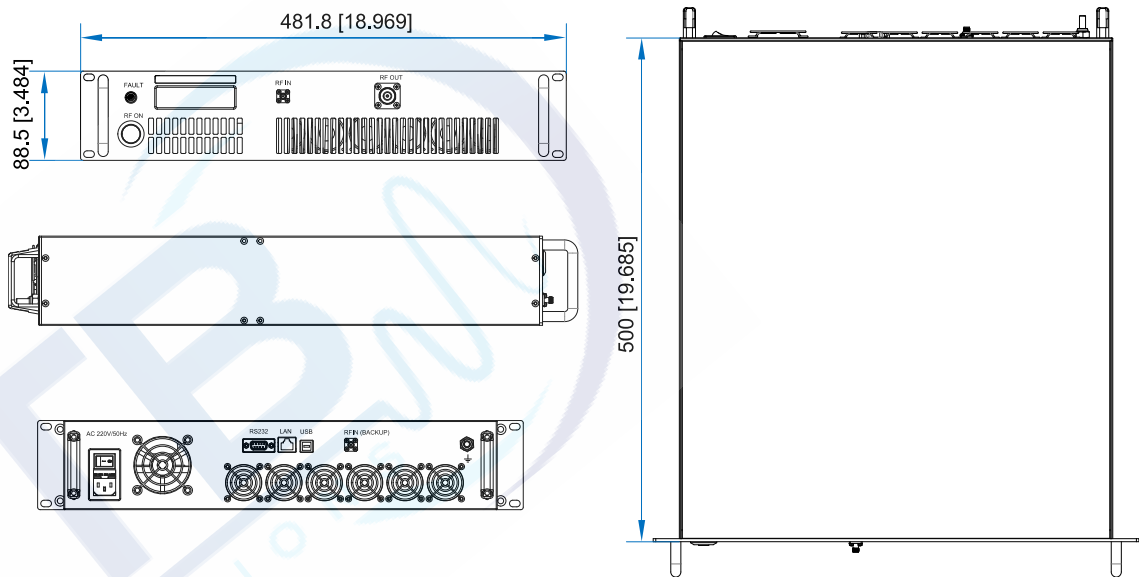
Operating Temperature:	-10~+50°C
Non-operating Temperature:	-30~+85°C

How To Order

NPAS-8000-12000-40-47S

Customization is available upon request.

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

NPAS-8000-18000-40-45S

8~18GHz, 40dB, 45dBm

Features:

- * Broadband
- * Low Power Consumption

Applications:

- * Wireless
- * Transmitter
- * Laboratory Test

Electrical

Frequency:	8~18GHz
Gain:	40dB min.
Gain Control (Optional):	0~40dB, 0.5dB step
Gain Flatness:	±2.0dB typ.
Output Power (Psat):	45dBm typ.
Spurious:	-60dBc max.
Harmonic:	-15dBc typ.
VSWR:	2 typ.
Voltage:	220V AC
Input Power:	+10dBm max.
Impedance:	50Ω

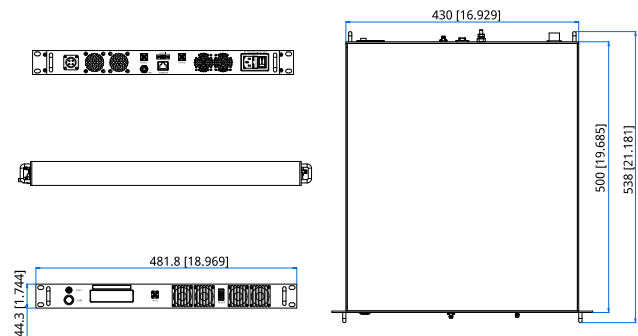
Mechanical

Size:	538*430*44.3mm 21.181*16.929*1.744in
Weight:	6kg max.
RF Connectors:	SMA Female
Control Interface:	LAN & RS232

Environmental

Operating Temperature:	-20~+50°C
Non-operating Temperature:	-45~+85°C

Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

How To Order

NPAS-8000-18000-40-45S

Customization is available upon request.