

Prana DR 1200:

- Class A solid state
- Broadband (instantaneous single band): 10 kHz – 400 MHz
- Typical output power : 1200 W CW
- Linear output power (1 dB compression) guaranteed with harmonics <-20 dBc:
 - P1dB > 1000 W and H<-20 dBc up to 250 MHz
 - P1dB > 400 W and H<-20 dBc from 250 MHz to 400 MHz
- Air cooling: self contained fans
- Can operate in full mismatch conditions without damage
- Reliable, efficient and robust
- 19" Cabinet on wheels
- 3 years standard warranty

Maintenance:

- Amplifier designed for minimal maintenance
 - ⇒ Easy access to all parts
 - ⇒ Modular design
 - ⇒ Repairs with minimum adjustments
- Rapid diagnostic
- Minimal downtime
- Contract for preventive and corrective maintenance available

Applications:

- EMC tests
- RF tests and instrumentation
- Radiocommunication
- Measurement and research laboratories

DC Version:

- **DR 1200 DC** version including :
 - ⇒ Display
 - ⇒ Digital control
 - ⇒ IEEE 488 GPIB Communication
 - ⇒ Integrated bidirectional coupler
 - ⇒ display of instantaneous power

DR series:

- DR 60 => 60 W CW
- DR 110 => 110 W CW
- DR 220 => 220 W CW
- DR 350 => 350 W CW
- DR 600 => 600 W CW
- DR 2000 => 2000W CW

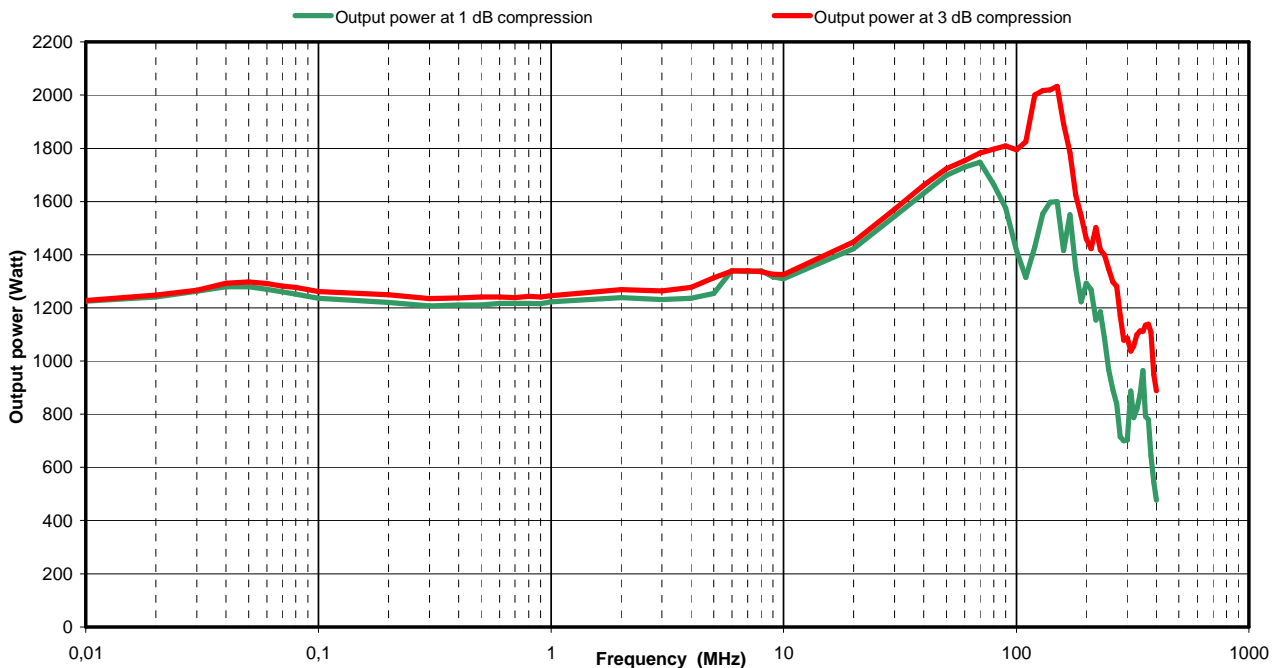
Prana additional options:

- External coupler
- RF Power cable
- Switching unit



Specifications

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|---|--|
| Frequency bandwidth..... | 10 kHz - 400 MHz |
| Typical output power..... | 1200 W |
| Power at 3 dB compression..... | 1200 W min. up to 250 MHz / 700 W min. from 250 MHz to 400 MHz |
| Power at 1 dB compression..... | 1000 W min. up to 250 MHz / 400 W min. from 250 MHz to 400 MHz |
| Harmonics distortion..... | H2,H3 < -20 dBc for the output power at 1 dB compression limit |
| Class type..... | Class A |
| Gain..... | 60 dB |
| Linear power gain flatness..... | ± 2.5 dB max |
| Mismatch tolerance..... | infinite without damage |
| Input impedance..... | 50 ohms / VSWR: 2:1max |
| Output impedance..... | 50 ohms / VSWR: 2:1max |
| Input power..... | +10 dBm max. |
| RF input connector..... | Type N fem. (front or rear panel) – other connector type on request |
| RF output connector..... | Type 7/16 fem. (front or rear panel) – other connector type on request |
| Integrated bidirectional power coupler..... | Coupling factor 59 dB ± 0.8 dB |
| Power coupling connector..... | Type N fem. (front or rear panel) |
| Safety interlock..... | Connector type BNC |
| Digital control..... | Transistors, power supplies and internal temperature |
| Mismatch protection..... | Self limitation for reflected power > 1000 W |
| Communication interface..... | IEEE 488 |
| 4 lines digital display..... | Status, faults, direct and reverse instantaneous power |
| Ambient operating temperature..... | 0 °C / + 35 °C |
| Room temperature storage..... | -20 °C / +70 °C |
| Cooling..... | Forced air: 480 l/sec max. (self contained fans) |
| Mains voltage..... | 47-63 Hz, 3 phases (star or delta) |
| Rated current..... | 10.35 kVA |
| Dimensions..... | 600 x 840 x 1860 mm (36U) / 23.6 x 33.1 x 73.2 in (36U) |
| Weight..... | 390 kg / 858 lb |



Electrical and Mechanical Specifications subject to change without notice.