



HF/50 MHz ALL BAND 1 kW LINEAR AMPLIFIER

# IC-PW1 IC-PW1EURO



• Controller attached



## The power you need... to succeed!

### Wide frequency coverage with 1 kW output\*

All HF bands plus the 50 MHz band are covered. The IC-PW1/EURO provides a stable, clean and low distortion 1 kW from 1.8 MHz to 50 MHz\*. In addition, full duty cycle (even during more demanding RTTY or SSTV operation) and full break-in operation are possible. Great for DX'peditions or contest operation.

\*Guaranteed within amateur bands only.

### Wide ALC adjustable range

Internal circuitry allows the ALC to be adjusted over a wide range. This means that the IC-PW1/EURO can be used with almost any HF, 6 m or HF/6 m rigs—not only Icom rigs\*!

\*Ask your dealer about usable exciters.

### Compact body

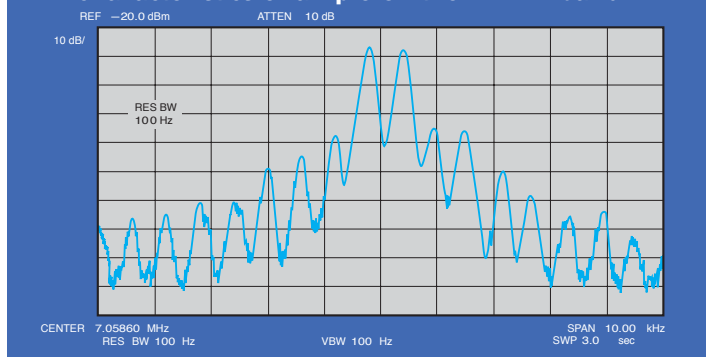
Dimensions, including amplifier, power supply, tuner and controller, are only 350(H) × 269(W) × 378(D) mm\*. And, because the controller is detachable, the IC-PW1/EURO can be installed almost anywhere in your shack.

\*6<sup>25</sup>/<sub>32</sub>(H) × 2<sup>25</sup>/<sub>32</sub>(W) × 9<sup>1</sup>/<sub>16</sub> in.

### Other outstanding features...

- Output antennas are selectable from exciters (Icom transceivers only), even when the power of the IC-PW1/EURO is off
- Automatic AC input voltage selector is employed
- Current (I<sub>b</sub>), Voltage (V<sub>b</sub>), temperature, SWR and output power protectors are available
- Automatic antenna tuner built-in

### IMD characteristics example on the 7 MHz band



Icom Inc.

## SPECIFICATIONS

## GENERAL

- Frequency coverage (MHz):
 

1.800– 1.999	3.500– 3.999
7.000– 7.300	10.100– 10.150
14.000– 14.350	18.068– 18.168
21.000– 21.450	24.890– 24.990*
28.000– 29.700*	50.000– 54.000

\*The U.S.A. version can only be used the antenna tuner on the 24–28 MHz bands.
- Power supply requirements: 180–264 V AC or 90–132 V AC (single-phase; 50/60 Hz)
- Current drain: Less than 15 A (max. output at 200 V)  
Less than 20 A (max. output at 100 V)
- Usable temperature range: –10°C to +40°C; +14°F to +104°F
- Duty cycle: Full duty
- Input connector: SO-239 × 2 (50 Ω)
- Output connector: SO-239 × 4 (50 Ω)

## LINEAR AMPLIFIER

- Output power:

AC Input	180–264 V AC	90–132 V AC
CW, RTTY	1 kW	500 W
SSB	1 kW PEP	500 W PEP

- Driving power: Max. 100 W
- Spurious emissions: Less than –60 dB (HF bands)  
Less than –70 dB (50 MHz)

## ANTENNA TUNER

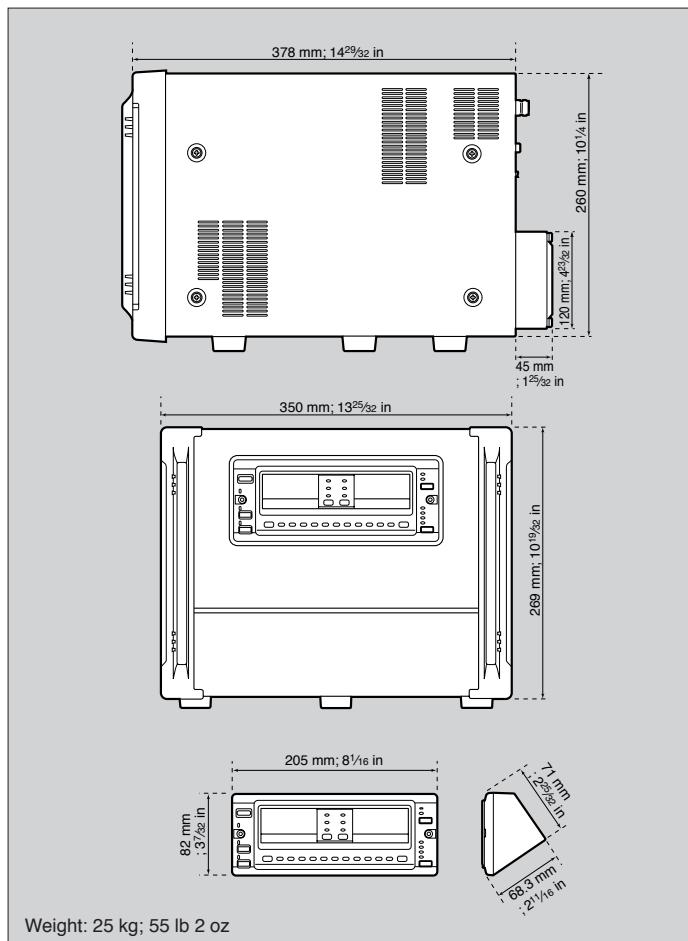
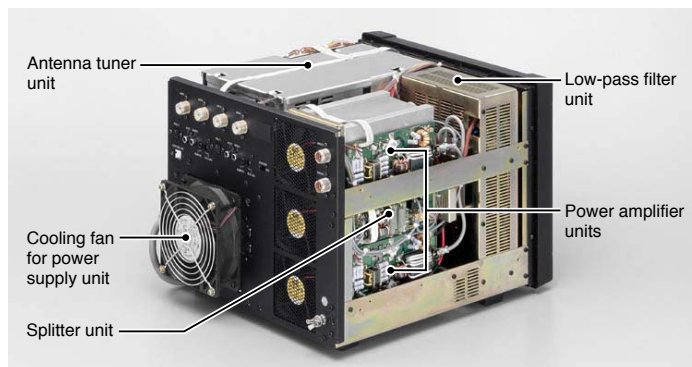
- Output matching range: 16.7 Ω to 150 Ω (HF bands)  
(tuner switch ON)  
20.0 Ω to 125 Ω (50 MHz)
- Auto tuning accuracy: VSWR 1.5:1 or less
- Min. required input power: 60 W
- Insertion loss: Less than 1 dB (after tuning)

## Supplied accessories:

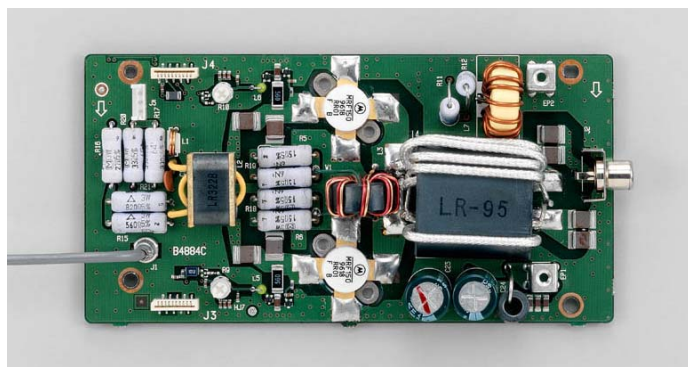
- Controller separation cable
- ACC cables
- Coaxial cable with PL-259 plugs

All stated specifications are subject to change without notice or obligation.

## INTERNAL VIEW



## PA UNIT



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