

# Specifications ICA™ 600



### Rated power (2 x 4 Ohms)

300 Watts @ 20 Hz to 20 kHz both channels driven at <0.1% T.H.D.

### Rated power (2 x 8 Ohms)

200 Watts @ 20 Hz to 20 kHz both channels driven at <0.05% T.H.D.

### Minimum load impedance

4 Ohms

### Maximum RMS voltage swing

57 Volts

### Frequency response

10 Hz - 25 kHz; +0, -3 dB at 1 Watt

### Power bandwidth

10 Hz - 100 kHz; +0, -3 dB at rated power

### T.H.D. (2 x 4 Ohms)

<0.1% @ 300 W from 20 Hz to 20 kHz with both channels driven

### T.H.D. (2 x 8 Ohms)

<0.05% @ 200 W from 20 Hz to 20 kHz with both channels driven

### SMPTE IMD

<0.1% 60 Hz and 7 kHz, 300 W @ 4 Ohms

### Slew rate

30 V/us

### Damping Factor (8 Ohms)

>350:1 @ 20 Hz - 1 kHz

### Input CMRR

>65 dB @ 1 kHz

### Voltage gain

x 40 (32 dB) standard, x20 (26 dB) internally jumper selectable

### Input sensitivity (x 40)

866 Volts @ 4 Ohms, 1 Volts @ 8 Ohms

### Input sensitivity (x 20)

1.73 Volts @ 4 Ohms, 2 Volts @ 8 Ohms

### Input impedance

20 k Ohms, balanced

### Hum and noise

>-108 dB, "A" weighted referenced to rated power @ 8 Ohms

### Crosstalk

-75 dB, "A" weighted referenced to rated power @ 8 Ohms

### Power consumption @ 1/8 output power

6 amps @ 120 Volts at 4 Ohms  
4 amps @ 120 Volts at 8 Ohms

### Power consumption @ 1/3 output power

9 amps @ 120 Volts at 4 Ohms  
6 amps @ 120 Volts at 8 Ohms

### Idle power consumption

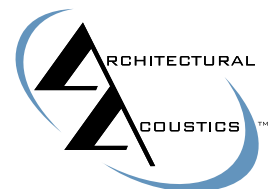
.25 amps in Hibernation™ Mode @ 120 Volts

### Max. power consumption

14 amps @ 120 Volts at 4 Ohms  
9 amps @ 120 Volts at 8 Ohms

### Thermal emissions (BTU/hr.)

2915 @ 1/3 power 4 Ohms,  
1591 @ 1/8 power 8 Ohms



BY PEAVEY

# Specifications ICA™ 600

## Cooling

80 mm DC fan, off until heatsinks reach 45° C, then variable speed

## Controls

Two rear panel attenuators, sequential turn on/off

## Indicator LEDs

2 clip, 2 signal, 2 LFC, 1 protect, 1 Power

## Protection

Temp, DC, turn-on bursts, subsonic, incorrect load or short

## Connectors

8-pin plugable signal input, 4-pin plugable sequential power, 4 terminal barrier strip, IEC AC power connector

## Construction

18 gauge steel reinforced with 12 gauge rack ears, extruded aluminum front panel

## Dimensions(H x W x D)

3.48" X 16.4" X 19"  
(88.4 mm x 417 mm 483 mm)

## Gross weight

33.6 lbs. (15.25kg)

## Net weight

30.2 lbs. (13.7 kg)

## Features

- Power ratings are 4 Ohms continuous on 600, 1200, 2400
- Sequential turn on/off
- Front panel status LEDs
- Load Fault Correction™ (LFC)
- Hibernation™
- Initialized Protection™ (IP)
- Thermal, short circuit and DC voltage protected
- Aggressively priced vs. similar models

## Description

The goal in building the new ICA series of amplifiers was to give our dealers a way to cost-effectively compete in the modern contracting market. The complete series is offered in both low and high impedance output configurations, and all ICA series amplifiers offer “green” features such as sequential turn on/off and Hibernation. This unit also includes full protection from heat, shorts and DC.

## Architectural and engineering specifications

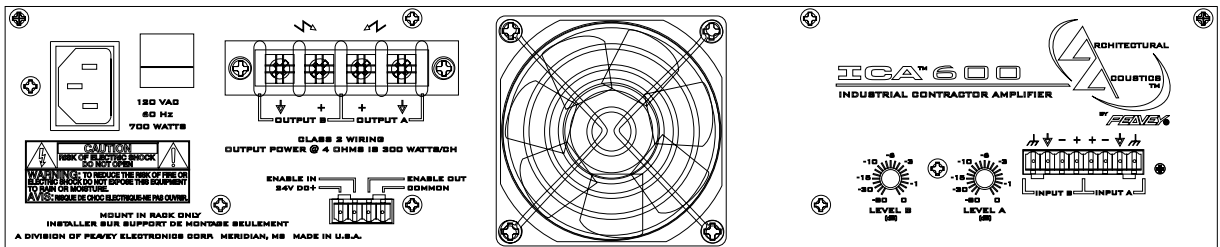
The power amplifier input comes standard with plugable-input connectors and individual channel rotary attenuators. The unit has LED indicators to show power, activity and SPS™ compression, and also has a rear panel level control. The ICA is packaged in a rugged, all-steel 16

gauge chassis with 18 gauge top and 12 gauge rack ears. The dimensions are 3.48" high by 16.4" wide by 19" deep. The unit operates from standard 120 Volts AC, 60 Hz power. The internal power amplifier delivers 300 Watts into 4 Ohms and 200 Watts into 8 Ohms, with rated power from 20 Hz to 20 kHz ±0.1% THD (both channels driven into 4 Ohms). The signal-to-noise is >108 dB, “A” weighted, referenced to rated power @ 8 Ohms.

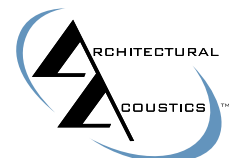
## Warranty

### THREE + TWO LIMITED WARRANTY

**NOTE:** For details, refer to the warranty statement. Copies of this statement may be obtained by contacting Peavey Electronics Corporation, P.O. Box 2898, Meridian, Mississippi 39302-2898.



Peavey Electronics Corporation • 711 A Street • Meridian, MS 39301  
601-483-5376 • Fax 601-486-1678 • <http://aa.peavey.com>  
©2002 Printed in the U.S.A. 5/02



By **PEAVEY**

Listen to This.™