



**Vibration Instrumentation:**  
*Power Amplifiers*

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## YE5871A

- Indicator for voltage and current output
- Indicator for output signal
- Output current can be adjusted from 2A to 10A
- Hot protect for output transistor
- Indicator for output transistor invalidation
- Constant current and constant voltage output method
- For vibration test to drive JZK-10 modal shaker



### Input

Input Impedance:	$\geq 10k\Omega$
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### Output

Rated Power Output:	$100V_{A_{rms}}$
Rated Voltage Output:	$10V_{rms}$
Rated Current Output:	$10A_{rms}$
Non-Linearity Distortion:	$< 1\%$
Signal / Noise Rate:	Constant Voltage $\geq 70dB$ , Constant Current $\geq 60dB$
Indicator Meter Tolerance:	$< \pm 8\%$

### Environmental Characteristics

Operating Temperature:	0 to 70°C
Storage Temperature:	-55 to +85°C
Moisture:	Maximum 90%R.H.

### Frequency Characteristics

Frequency Range:	DC input 0-15kHz $\pm 0.5dB$ , AC input 20-50kHz $\pm 1dB$ Full power 5-10kHz , Half power 0-50kHz
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### PROTECT

Current Output Limited:	2-10A <sub>rms</sub> (modifiable)
Hot Limit of Transistor:	$\leq 85^{\circ}C \pm 5^{\circ}C$

### Physical Characteristics

Dimensions:	400mm(W)x144mm(H)x240mm(D)
Weight:	~10.5kg

### Gain

Constant Voltage Type:	5V/V $\pm$ 2dB (1kHz)
Constant Current Type:	8A/V $\pm$ 2dB (1kHz)

### Power Supply

Power Source:	AC 220V (+5% ~ 10%) , 50Hz , 3A
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### Accessories

Input Cable:	One 2m double-BNC cable
Mandril:	One 4-core cable
Power Supply Cable:	One AC supply cable
Fuse:	Four 5A ( $\Phi$ 6mm x 30mm)

## YE5872A

- Indicator for voltage and current output
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- For vibration test to drive JZK-20 modal shaker



### Input

Input Impedance:	$\geq 10k\Omega$
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### Output

Rated Power Output:	$200V_{rms}$
Rated Voltage Output:	$14V_{rms}$
Rated Current Output:	$15A_{rms}$
Non-Linearity Distortion:	$< 1\%$
Signal / Noise Rate:	Constant Voltage $\geq 70dB$ , Constant Current $\geq 60dB$
Indicator Meter Tolerance:	$< \pm 8\%$

### Environmental Characteristics

Operating Temperature:	0 to 70°C
Storage Temperature:	-55 to +85°C
Moisture:	Maximum 90%R.H.

### Frequency Characteristics

Frequency Range:	DC input 0-15kHz $\pm 0.5dB$ , AC input 20-50kHz $\pm 1dB$ Full power 5-10kHz , Half power 0-50kHz
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### PROTECT

Current Output Limited:	3-15A <sub>rms</sub> (modifiable)
Hot Limit of Transistor:	$\leq 85^{\circ}C \pm 5^{\circ}C$

### Physical Characteristics

Dimensions:	400mm(W)x166mm(H)x320mm(D)
Weight:	~15kg

### Gain

Constant Voltage Type:	5V/V $\pm$ 2dB (1kHz)
Constant Current Type:	8A/V $\pm$ 2dB (1kHz)

### Power Supply

Power Source:	AC 220V (+5% ~ 10%) , 50Hz , 3A
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### Accessories

Input Cable:	One 2m double-BNC cable
Mandril:	One 4-core cable
Power Supply Cable:	One AC supply cable
Fuse:	Four 5A ( $\Phi$ 6mm x 30mm)

## YE5873A

- Indicator for voltage and current output
- Indicator for output signal
- Output current can be adjusted from 2A to 10A
- Hot protect for output transistor
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- Constant current and constant voltage output method
- For vibration test to drive JZK-10 modal shaker



### Input

Input Impedance:	$\geq 10k\Omega$
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### Output

Rated Power Output:	$500V_{rms}$
Rated Voltage Output:	$16V_{rms}$
Rated Current Output:	$32A_{rms}$
Non-Linearity Distortion:	$< 1\%$
Signal / Noise Rate:	Constant Voltage $\geq 70dB$ , Constant Current $\geq 60dB$
Indicator Meter Tolerance:	$< \pm 8\%$

### Environmental Characteristics

Operating Temperature:	0 to 70°C
Storage Temperature:	-55 to +85°C
Moisture:	Maximum 90%R.H.

### Frequency Characteristics

Frequency Range:	DC input 0-15kHz $\pm 0.5dB$ , AC input 20-50kHz $\pm 1dB$ Full power 5-10kHz , Half power 0-50kHz
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### PROTECT

Current Output Limited:	5-35 $A_{rms}$ (modifiable)
Hot Limit of Transistor:	$\leq 85^{\circ}C \pm 5^{\circ}C$

### Physical Characteristics

Dimensions:	400mm(W)x166mm(H)x480mm(D)
Weight:	~25kg

### Gain

Constant Voltage Type:	7V/V $\pm$ 2dB (1kHz)
Constant Current Type:	16A/V $\pm$ 2dB (1kHz)

### Power Supply

Power Source:	AC 220V (+5% ~ 10%) , 50Hz , 6A
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### Accessories

Input Cable:	One 2m double-BNC cable
Mandril:	One 4-core cable
Power Supply Cable:	One AC supply cable
Fuse:	Four 5A ( $\Phi$ 6mm x 30mm)



## YE5874A

- Indicator for voltage and current output
- Indicator for output signal
- Output current can be adjusted from 5A to 30A
- Hot protect for output transistor
- Indicator for output transistor invalidation
- Constant current and constant voltage output method
- For vibration test to drive JZK-40 modal shaker



### Input

Input Impedance:	$\geq 10k\Omega$
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### Output

Rated Power Output:	$800V_{rms}$
Rated Voltage Output:	$27V_{rms}$
Rated Current Output:	$30A_{rms}$
Non-Linearity Distortion:	$< 1\%$
Signal / Noise Rate:	Constant Voltage $\geq 70dB$ , Constant Current $\geq 60dB$
Indicator Meter Tolerance:	$< \pm 8\%$

### Environmental Characteristics

Operating Temperature:	0 to 70°C
Storage Temperature:	-55 to +85°C
Moisture:	Maximum 90%R.H.

### Frequency Characteristics

Frequency Range:	DC input 0-15kHz $\pm 0.5dB$ , AC input 20-50kHz $\pm 1dB$ Full power 5-10kHz , Half power 0-50kHz
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### PROTECT

Current Output Limited:	5-30A <sub>rms</sub> (modifiable)
Hot Limit of Transistor:	$\leq 85^{\circ}C \pm 5^{\circ}C$

### Physical Characteristics

Dimensions:	440mm(W)x188mm(H)x560mm(D)
Weight:	~40kg

### Gain

Constant Voltage Type:	7V/V $\pm$ 2dB (1kHz)
Constant Current Type:	16A/V $\pm$ 2dB (1kHz)

### Power Supply

Power Source:	AC 220V (+5% ~ 10%) , 50Hz , 6A
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### Accessories

Input Cable:	One 2m double-BNC cable
Mandril:	One 4-core cable
Power Supply Cable:	One AC supply cable
Fuse:	Four 5A ( $\Phi$ 6mm x 30mm)

## YE5878

- Indicator for voltage and current output
- Indicator for output signal
- Output current can be adjusted from 5A to 38A
- Hot protect for output transistor
- Indicator for output transistor invalidation
- Constant current and constant voltage output method
- For vibration test to drive JZK-100 modal shaker



### Input

Input Impedance:	$\geq 10k\Omega$
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### Output

Rated Power Output:	$1,500VA_{rms}$
Rated Voltage Output:	$37.5V_{rms}$
Rated Current Output:	$40A_{rms}$
Non-Linearity Distortion:	$< 0.5\%$ (DC - 10kHz)
Signal / Noise Rate:	$\geq 90dB$
Indicator Meter Tolerance:	$< \pm 8\%$

### Environmental Characteristics

Operating Temperature:	0 to 70°C
Storage Temperature:	-55 to +85°C
Moisture:	Maximum 90%R.H.

### Frequency Characteristics

Frequency Range:	DC input 0-15kHz $\pm 0.5dB$ Full power 10-5kHz , Half power 0-10kHz
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### PROTECT

Current Output Limited:	5-38A <sub>rms</sub> (modifiable)
Hot Limit of Transistor:	$\leq 85^{\circ}C \pm 5^{\circ}C$

**Physical Characteristics**

Dimensions:	484.5mm(W)x500mm(H)x500mm(D)
Weight:	~65kg

**Gain**

Constant Voltage Type:	8V/V $\pm$ 2dB (100Hz)
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**Power Supply**

Power Source:	AC 220V (+5% ~ 10%) , 50Hz , 20A
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**Accessories**

Input Cable:	One 2m double-BNC cable
Mandril:	One 4-core cable
Power Supply Cable:	One AC supply cable