

# POWER AMPLIFIERS

# SONODYNE®

## SLA SERIES

The SLA are 2RU power amplifiers and include 9 models, both dual and 4 channel. The SLA Series provides a broad choice of power output so you can select a model that will ideally match the power requirements for your application. For even further flexibility all models can operate in 3 modes: dual channel mode; parallel (mono) mode; and bridge mode.

The SLA Series power amplifiers employ a large number of matched complementary devices in parallel having linear transfer characteristic for low distortion and high SOA guaranteeing safe operation at elevated power levels.

- Soft start
- High SNR
- Low THD, IMD
- Heavy-duty power supply for high dynamic power
- Short-circuit, thermal, output DC, RF protection
- Variable-speed twin fan back-to-front cooling
- Twist lock and binding post output connectors
- LED indicators for status, clip and protection

|                               | SLA 3003                                                                                                        | SLA 3004                                                                                                        | SLA 3006                                                                                                        | SLA 3008                                                                                                        | SLA 3010                                                                                                        | SLA 3013                                                                                                        | SLA 2015                                                                          | SLA 3104                                                                                                        | SLA 3106                                                                                                        |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| CHANNELS                      | 2                                                                                                               | 2                                                                                                               | 2                                                                                                               | 2                                                                                                               | 2                                                                                                               | 2                                                                                                               | 2                                                                                 | 4                                                                                                               | 4                                                                                                               |
| OUTPUT POWER PER CH           |                                                                                                                 |                                                                                                                 |                                                                                                                 |                                                                                                                 |                                                                                                                 |                                                                                                                 |                                                                                   |                                                                                                                 |                                                                                                                 |
| 8Ω                            | 300W                                                                                                            | 400W                                                                                                            | 600W                                                                                                            | 800W                                                                                                            | 1000W                                                                                                           | 1350W                                                                                                           | 1500W                                                                             | 400W                                                                                                            | 600W                                                                                                            |
| 4Ω                            | 450W                                                                                                            | 600W                                                                                                            | 900W                                                                                                            | 1200W                                                                                                           | 1400W                                                                                                           | 2150W                                                                                                           | 2250W                                                                             | 600W                                                                                                            | 900W                                                                                                            |
| 8Ω BRIDGE                     | 1000W                                                                                                           | 1200W                                                                                                           | 1800W                                                                                                           | 2400W                                                                                                           | 2800W                                                                                                           | 2700W                                                                                                           | 4500W                                                                             | 1200W                                                                                                           | 1800W                                                                                                           |
| THD @ RATED POWER             | < 1%                                                                                                            | < 1%                                                                                                            | < 1%                                                                                                            | < 1%                                                                                                            | < 1%                                                                                                            | < 1%                                                                                                            | < 0.1%                                                                            | < 1%                                                                                                            | < 1%                                                                                                            |
| DAMPING FACTOR                | > 300                                                                                                           | > 300                                                                                                           | > 300                                                                                                           | > 300                                                                                                           | > 300                                                                                                           | > 300                                                                                                           | > 300                                                                             | > 300                                                                                                           | > 300                                                                                                           |
| S/N RATIO (20Hz-20kHz)        | 100dB                                                                                                           | 101dB                                                                                                           | 103dB                                                                                                           | 104dB                                                                                                           | 105dB                                                                                                           | 105dB                                                                                                           | 107dB                                                                             | 105dB                                                                                                           | 105dB                                                                                                           |
| OUTPUT CIRCUITRY              | AB                                                                                                              | AB                                                                                                              | H                                                                                                               | H                                                                                                               | H                                                                                                               | TD                                                                                                              | H                                                                                 | H                                                                                                               | H                                                                                                               |
| FREQ. RESPONSE (±0.5dB)       | 20Hz ~ 20kHz                                                                                                    | 20Hz ~ 20kHz                                                                                                    | 20Hz ~ 20kHz                                                                                                    | 20Hz ~ 20kHz                                                                                                    | 20Hz ~ 20kHz                                                                                                    | 20Hz ~ 20kHz                                                                                                    | 20Hz ~ 20kHz                                                                      | 20Hz ~ 20kHz                                                                                                    | 20Hz ~ 20kHz                                                                                                    |
| INPUT CONNECTORS/CH           | XLR with link                                                                                                   | XLR with link                                                                                                   | XLR with link                                                                                                   | XLR with link                                                                                                   | XLR with link                                                                                                   | XLR with link                                                                                                   | XLR with link                                                                     | XLR                                                                                                             | XLR                                                                                                             |
| OUTPUT CONNECTORS/CH          | Twist-lock connector and binding post                                                                           | Twist-lock connector and binding post                                                                           | Twist-lock connector and binding post                                                                           | Twist-lock connector and binding post                                                                           | Twist-lock connector and binding post                                                                           | Twist-lock connector and binding post                                                                           | Twist-lock speaker socket, binding post                                           | Twist-lock connector                                                                                            | Twist-lock connector                                                                                            |
| AMPLIFIER AND LOAD PROTECTION | Short circuit, output DC, thermal, RF protection                                                                | Short circuit, output DC, thermal, RF protection                                                                | Short circuit, output DC, thermal, RF protection                                                                | Short circuit, output DC, thermal, RF protection                                                                | Short circuit, output DC, thermal, RF protection                                                                | Short circuit, output DC, thermal, RF protection                                                                | Short circuit, output DC, thermal, RF protection                                  | Short circuit, output DC, thermal, RF protection                                                                | Short circuit, output DC, thermal, RF protection                                                                |
| FRONT PANEL CONTROLS          | Clip, Protect and Signal LED indicators, 42 detent rotary vol control                                           | Clip, Protect and Signal LED indicators, 42 detent rotary vol control                                           | Clip, Protect and Signal LED indicators, 42 detent rotary vol control                                           | Clip, Protect and Signal LED indicators, 42 detent rotary vol control                                           | Clip, Protect and Signal LED indicators, 42 detent rotary vol control                                           | Clip, Protect and Signal LED indicators, 42 detent rotary vol control                                           | Clip/Protect indicator, 6 steps vol level indicator, 21 detent rotary vol control | Clip, Protect and Signal LED indicators, 42 detent rotary vol control                                           | Clip, Protect and Signal LED indicators, 42 detent rotary vol control                                           |
| REAR PANEL CONTROLS           | 3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity 0.775V, 1V, 1.4V | 3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity 0.775V, 1V, 1.4V | 3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity 0.775V, 1V, 1.4V | 3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity 0.775V, 1V, 1.4V | 3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity 0.775V, 1V, 1.4V | 3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity 0.775V, 1V, 1.4V | DIP switch for stereo, parallel, bridge. DIP switch for 2 sensitivity settings    | 3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity 0.775V, 1V, 1.4V | 3 position Slide switch for Mode - Dual, Mono, Bridge. 3 position Slide switch for Sensitivity 0.775V, 1V, 1.4V |
| INPUT POWER                   | 600W                                                                                                            | 700W                                                                                                            | 650W                                                                                                            | 850W                                                                                                            | 1000W                                                                                                           | 900W                                                                                                            | 600W                                                                              | 1700W                                                                                                           | 1100W                                                                                                           |
| DIMENSIONS (HxWxD)            | 88 x 483 x 462mm                                                                                                | 88 x 483 x 462mm                                                                                                | 88 x 483 x 462mm                                                                                                | 88 x 483 x 462mm                                                                                                | 88 x 483 x 462mm                                                                                                | 88 x 483 x 396mm                                                                                                | 88 x 483 x 457mm                                                                  | 88 x 483 x 446mm                                                                                                | 88 x 483 x 446mm                                                                                                |
| WEIGHT                        | 17kg                                                                                                            | 17.5kg                                                                                                          | 18.5kg                                                                                                          | 19kg                                                                                                            | 20.5kg                                                                                                          | 21kg                                                                                                            | 28kg                                                                              | 18.6kg                                                                                                          | 19.2kg                                                                                                          |