# Infinity Rack \& Benchtop LINEAR REGULATED AC-DC single \& wide adjust output 

\author{

- Five Year Warranty
}



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Infinity Rack Mounting \& Benchtop LINEAR REGULATED (to 1200 watts)

- Five Year Warranty


## STANDARD FEATURES

- Highly configurable
- Remote sensing
- Open sense protection
- Isolated output
- Internal EMI Filtering
- No minimum load required
- Front panel AC input power switch with indicator lamp
- Overtemp protection on heat sinks

- Thermostatically controlled fans
- Short circuit and overload protection with enhanced surge capabilities
- Controllable from Ov and 0 amps to rated output*
- Constant current controllable*
- Programmable voltage and current*
(*Wide adjust output models only)


## SPECIFICATIONS

Input Voltage: 105-125 VAC, 50-420 Hz, single phase. (100-132 VAC, 60 Hz with $30 \%$ derating.)
AC Input Current (maximum, by case size):
2U13 \& 2B13: 6A
3U17 \& 3B17: 15A
4U22 \& 4B22: 25A
Internal Failure Protection: Provided by internal fuse or circuit breaker.
Input Undervoltage: An input of less than 105 VAC will not damage power supply.
Regulation, Ripple (in constant voltage mode):
See tables on page F37-F38.
Regulation, Ripple (in constant current mode):
(Wide Adjust Output models)
Line Regulation: $\pm 0.01 \%$ or 2 mA , whichever is greater. Load Regulation:
$\leq 27 \mathrm{~A}$ models: $\pm 0.02 \%$ or 4 mA , whichever is greater.
$\geq 28 \mathrm{~A}$ models: $\pm 0.04 \%$ or 20 mA , whichever is greater.
Current Ripple: 0.25\% rms.
Start-up Time: 75 to 150 ms .
Turn-off: Exponentially decays to zero.
Transient Response: 3 ms to return to $\pm 1 \%$ of output setting. Maximum of $\pm 3 \%$ output excursion following a load step change from $50 \%$ to $100 \%$.
Short Circuit and Overload Protection: A short or overload forces the power supply into foldback protection (Single Output models), or into constant current mode (Wide Adjust Output models), with automatic recovery.
Ambient Operating Temperature: -20 to $+71^{\circ} \mathrm{C}$. (Derate $1 \% /{ }^{\circ} \mathrm{C}$ above $40^{\circ} \mathrm{C}$.)
Storage Temperature: -55 to $+85^{\circ} \mathrm{C}$.
Temperature Coefficient (after 30 minute warm-up):
Voltage mode; $\pm 0.01 \% /{ }^{\circ} \mathrm{C}$ (typical).
Current mode; $\pm 0.05 \% /{ }^{\circ} \mathrm{C}$ (typical).

Altitude Rating: Operation to 10,000 ft and storage to 40,000 ft.
Polarity: Output is floating; either positive or negative terminal may be grounded or floated up to 300 volts above ground. Optional controls and monitors are referenced to the negative terminal.
Drift, Warm-up (first 30 minutes after turn-on, @ $25^{\circ} \mathrm{C}$ ): Voltage mode; $\pm 0.1 \%$ or 10 mV , whichever is greater. Current mode (Wide Adjust models);
$\leq 27 \mathrm{~A}$ models: $\pm 0.2 \%$ or 50 mA , whichever is greater. $\geq 28$ A models: $\pm 0.3 \%$ or 75 mA , whichever is greater.
Drift, Long Term (@ $\mathbf{2 5}^{\circ} \mathrm{C}$ ):
Voltage mode; $\pm 0.03 \%$ or 10 mV , whichever is greater, over 8 hours.
Voltage mode; $\pm 0.05 \%$ or 20 mV , whichever is greater, over 1000 hours.
Current mode, over 8 hours;
$\leq 27 \mathrm{~A}$ models: $\pm 0.02 \%$ or 20 mA , whichever is greater. $\geq 28 \mathrm{~A}$ models: $\pm 0.03 \%$ or 30 mA , whichever is greater.
Current mode, over 1000 hours;
$\leq 27 \mathrm{~A}$ models: $\pm 0.02 \%$ or 10 mA , whichever is greater.
$\geq 28 \mathrm{~A}$ models: $\pm 0.03 \%$ or 30 mA , whichever is greater.
Remote Sensing: Provision for sensing the output voltage across the load, so that drops in the load line are compensated, is a standard feature. Compensates up to 0.5 Vdc drop per output line.
Output Voltage Adjustment: Screwdriver accessible through the rear panel.

| Dielectric Withs | Voltage | Isolation |
| :---: | :---: | :---: |
| Input to output: | 4242 Vdc | 1000 Vdc |
| Input to case: | 2121 Vdc | 500 VAC |
| Output to case: | 750 Vdc | 300 VAC |

Cooling: Forced-air cooled; air enters front of power supply and exits from rear cover.
Mounting: Rack Mounting models are designed expressly for mounting in standard 19" wide RETMA cabinet racks. Benchtop models rest on four rubber feet. Note: Slides or rear support brackets required for case size 4U22.

## Infinity Rack Mounting \& Benchtop

## OPTIONS

## A1,A2; Overvoltage Protection (Single Output models only)

A1; OVP set $15 \%$ above maximum rated output. Non-latching. (Not available with option C9.)
A2; OVP set $15 \%$ above rated output. Latching. Reset by momentarily removing AC input power.

## B3,B4,B6,L1,L3; AC Input Voltage Options

Choose one: B3 or B4 or B6 or L1 or L3
B3; 210-250 VAC input. Internally fused for a single phase source.
B4; 105-125 VAC or 210-250 VAC input, selectable with switch on rear.
(Available with 2U13/2B13 case size models only.)
B6; 105-125 VAC or 210-250 VAC strappable input. Input voltage of 115 or 230 VAC can be selected by the use of jumpers on a 4 place pluggable terminal block located on the rear panel.
(Available with 3U17/3B17 \& 4U17/4B17 case size models only. Circuit breakers and AC line filters included.)
$\underline{\text { L1 }} ; 90-110$ VAC input. Internally fused for a single phase source. (Add 5 days to standard shipping time.)
L3; 195-220 VAC input. Internally fused for a single phase source. (Add 5 days to standard shipping time.)

## C1-C2; Voltage Output Adjust and Current Limit Adjust Options

(standard:screwdriver slot accessible through the rear panel for Vout adjust.)
Choose one: C1 or C2 or S1
C1; Front panel knobs; (one voltage, one current) used to adjust output voltage and current.
(Current adjustment range is from zero to maximum rated output current.)
C2; Current Limit adjustment screwdriver slot accessible through the rear panel.
(Current adjustment range is from zero to maximum rated output current.)
S1; Front panel shaft locks. Provides screwdriver slot adjustment with shaft locks exerting an even frictional drag over the control shafts, resisting accidental rotation.

## C3-C4; Inhibit or Enable Options

Choose one: C3 or C4
C3; Inhibit control, TTL compatible. To disable the supply, apply a voltage between the "Rtn" terminal and the "Inh/Ena" terminal. The voltage can be any value from +3 Vdc to +15 Vdc .
 or pulled to within 0.8 Vdc of the "Rtn" terminal. An open collector or contact closure can be used.

## C5-C6; Output Programming Options (Wide Adjust Output models only) (voltage and/or current)

Choose one: C5 or C6
C5; The output voltage and current may be programmed from 0 to full rating by means of control voltage inputs of 0 to +5 Vdc . C6; The output voltage and current may be programmed from 0 to full rating by means of control voltage inputs of 0 to +10 Vdc . Voltage mode accuracy: $0.5 \%$. Current mode accuracy: $0.5 \%$ or $\pm 15 \mathrm{~mA}$, whichever is greater. Accuracy percentages do not apply below $5 \%$ of output rating.

## C7; Voltage and Current Monitoring (Included with option M3)

For models with no programming or with $0-10 \mathrm{v}$ programming (option "C6"):
Voltage Monitor Terminal: Permits remote monitoring of output voltage, stepped down by a ratio of 10:1 (for 3.3 v to 90 v models) or $100: 1$ (for 100 v to 150 v models). Accuracy is $0.5 \%$ of maximum rated output voltage.
Current Monitor Terminal: For models with greater than 10 amps output current: permits remote monitoring of output current, stepped down by a ratio of $100 \mathrm{mV} / \mathrm{Amp}$ (accuracy is $1 \%$ of maximum rated output current). For models with less than 10 amps output current: permits remote monitoring of output current, stepped down by a ratio of $1000 \mathrm{mV} / \mathrm{Amp}$.
(Accuracy is $1 \%$ of maximum rated output current or $\pm 15 \mathrm{~mA}$, whichever is greater.)
For models with $0-5 \mathrm{v}$ programming (option "C5"):
Voltage Monitor Terminal: Permits remote monitoring of output voltage, stepped down by a ratio of 10:1 (for 3.3 v to 45 v models) or $100: 1$ (for 48 v to 150 v models). Accuracy is $0.5 \%$ of maximum rated output voltage.
Current Monitor Terminal: For models with greater than 45 amps output current: permits remote monitoring of output current, stepped down by a ratio of $10 \mathrm{mV} / \mathrm{Amp}$. For models with from 5 amps to 45 amps output current: permits remote monitoring of output current, stepped down by a ratio of $100 \mathrm{mV} / \mathrm{Amp}$. For models with less than 4.5 amps output current: permits remote monitoring of output current, stepped down by a ratio of $1000 \mathrm{mV} / \mathrm{Amp}$.
(Accuracy is $1 \%$ of maximum rated output current or $\pm 15 \mathrm{~mA}$, whichever is greater.)
(When monitoring the output voltage and/or current by means of the monitor terminals, the use of an instrument having an input impedance of at least 10 megohms is recommended.)

## C9; Latching Overcurrent control

If current is greater than $15 \%$ of the maximum rated output current, the power supply latches off. Reset by momentarily removing AC input power. This option is included with Option A2. (Available on Single Output models only. Not available with option A1.)

## Infinity Rack Mounting \& Benchtop OPTIONS (continued) <br> DIO1; Digital Interface

Can be used to monitor and/or control output voltage and current. Includes isolated Ethernet (10/100Mbps), RS232, and USB (to add RS485, choose option "DIO2" interfaces, utilizing 16 bit DAC and ADC. This option incorporates C4 (Enable), C6 (Output Programming), and C7 (Voltage/Current Monitoring) options, so if you specify the DIO1 or DIO2 option, do not also specify C4, C6, or C7 options.

## E1; Output blocking protection diode

Used for battery charging or redundant applications. Derate output by 10\%.

## E2; Transient protection for electrically noisy environments

Transient protection for AC input and DC output.
E3; High Frequency pulsed load filtering
Recommended for applications such as "switched loads" and "stepper motors".

## E4; Series Operation Diode

Allows power supplies to operate in series, for applications requiring higher output voltage.

## G1-G2; Alarm with Relay Contacts Options

Choose one: G1 or G2
G1; NC Relay contacts close when output voltage drops more than $10 \%$ below nominal.
G2; NO Relay contacts open when output voltage drops more than $10 \%$ below nominal.

## G3; Front Panel Mounted Green LED Output Indicator (DC on) (Single Output models)

## G5; Temperature monitor

The temperature monitor is used to measure the power supply's internal temperature. Monitor output voltage is set to 2.5 Vdc at $25^{\circ} \mathrm{C}$ and varies above or below this value by 0.1 Vdc per ${ }^{\circ} \mathrm{C}$. For example, if the temperature is $20^{\circ} \mathrm{C}$ the output will be 2 Vdc. (Not available with options $\mathrm{H} 1-\mathrm{H} 8$ ).

## H; Handles

## H1-H8; Additional Low Current Auxiliary Voltage Options

$<1 \%$ initial Accuracy, $\pm 0.2 \%$ Line and $\pm 0.2 \%$ Load Regulation, $<10 \mathrm{mV}$ peak-to-peak ripple. (Not available with option G5.)
Choose one: H 1 or H 2 or H 3 or H 4 or H 5 or H 6 or H 7 or H 8
H1; Auxiliary output: 3.3 Vdc, 0.1 amp
H2; Auxiliary output: $5 \mathrm{Vdc}, 0.1 \mathrm{amp}$
H3; Auxiliary output: $12 \mathrm{Vdc}, 0.1 \mathrm{amp}$
H4; Auxiliary output: $13.8 \mathrm{Vdc}, 0.1 \mathrm{amp}$
H5; Auxiliary output: $15 \mathrm{Vdc}, 0.1 \mathrm{amp}$
H6; Auxiliary output: $\quad-5 \mathrm{Vdc}, 0.1 \mathrm{amp}$
H7; Auxiliary output: -12 Vdc, 0.1 amp
H8; Auxiliary output: -15 Vdc, 0.1 amp

## J2-J3; Output Redundancy Options

Choose one: J2 or J3
J2; N+1 Redundancy (Available on Single Output models only.)
Allows up to 4 like models to be wired in N+1 redundancy. An internal isolation OR-ing diode is included in each power supply. This option forces equal current sharing among like model supplies. The DC output load lines and remote sense lines may be directly connected in parallel and all 'S bus' terminals must be connected together. The output voltage of each supply is individually set so that the difference between the highest and the lowest is less than 100 mv . The current limiting set point of each supply should be set at equal value. Power supply output current must be derated by $10 \%$.
Includes:

- Voltage and current monitoring (Option C7).
- Output blocking protection diode (Option E1).

J3; 'OR-ing' or 'Blocking Diode' Redundancy
Redundancy is attained by simply wiring two units in parallel. Derate output by 10\%. (Available on Single Output models only. Not available with options C9, E5.)
Includes:

- Non-latching OVP set $15 \%$ above rated output (Option A2).
- Alarm with relay contacts that close when output voltage drops more than $10 \%$ below nominal (Option G1).
- Output blocking protection diode (Option E1).
- Remote sensing.


## K6; Final Test Data

Final test data also includes an extended 8 hour burn-in.
L1, L3; see B3 thru B6 (that section includes L1 and L3, which follows B3 thru B6.)
M3; Digital Voltage and Current Meters Voltmeter accuracy is $0.5 \% \pm 1 \mathrm{LSB}$; current meter accuracy is $1 \% \pm 1 \mathrm{LSB}$.

## INFINITY RACK \& BENCHTOP FRеррї

## Infinity Rack Mounting \& Benchtop

## OPTIONS (continued)

## R1; Resistive Programming

Output voltage and current may be programmed from 0 to rated output. Programming: ohms per volt out $=10 \mathrm{k} \div \mathrm{VRated} \pm 5 \%$. Program resistors are connected from 'V pgrm' to '-Sense' and 'I pgrm' to ‘-Rtn'. (Not available with options C1, C2, C5, C6, G1, G2, G5,J3.)

## S; Chassis Slides

For racks having rear mounting rails spaced 18 " to 24 " behind the front panel.

## How to Order:

There are a seemingly infinite number of options available for the Acopian Infinity Rack Mounting and Benchtop power supplies! And even more options will be available soon! This guide should make it easy to select the model that you desire.

Add options as a suffix to the power supply model number. For example, if options C3 and C8 are selected, the suffix on the model number is C38, denoting options C3 and C8.

For example, power supply model Y05LC2U2640 with options B6, C3, C8, E1 and G5: This model number would be Y05LC2U2640B6C38E1G5.

*NOTE: Slides or rear support brackets required when mounting case size $4 U 22$.
F36
221101

## Infinity Rack Mounting \& Benchtop

SINGLE OUTPUT MODELS

| Nominal Adjust Output Range Voltage $\pm$ V |  | Output Current Amps. at |  | Regulation |  | Ripple mV <br> $(@ 25 \mathrm{MHz} \mathrm{BW})$ |  | Rack Mounting Models | $\begin{gathered} \text { Case } \\ \text { Size } \end{gathered}$ | Benchtop Models | Case Size |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Load $\pm \mathrm{mv}$ | Line $\pm \mathrm{mv}$ |  |  |  |  |  |  |
|  |  | $40^{\circ} \mathrm{C}$ |  | $71^{\circ} \mathrm{C}$ | RMS | P-P |  |  |  |  |
| 3.3 | 0.25 |  | 26.4 | 18.5 | 2 | 2 | 0.25 | 0.75 | L3.3LC2U2640 | 2 U 13 | L3.3LC2B2640 | 2B13 |
| 3.3 | 0.25 | 80 | 56 | 4 | 4 | 0.5 | 1 | L3.3LC3U8000 | 3 U 17 | L3.3LC3B8000 | 3B17 |
| 3.3 | 0.25 | 150 | 105 | 6 | 6 | 1 | 3 | L3.3LC4U15000 | 4U22 | L3.3LC4B15000 | 4B22 |
| 5 | 0.5 | 26.4 | 18.5 | 2 | 2 | 0.25 | 0.75 | L5LC2U2640 | 2 U 13 | L5LC2B2640 | 2B13 |
| 5 | 0.5 | 80 | 56 | 4 | 4 | 0.5 | 1 | L5LC3U8000 | 3017 | L5LC3B8000 | 3B17 |
| 5 | 0.5 | 150 | 105 | 6 | 6 | 1 | 3 | L5LC4U15000 | 4U22 | L5LC4B15000 | 4B22 |
| 6 | 0.5 | 26.4 | 18.5 | 2 | 2 | 0.25 | 0.75 | L6LC2U2640 | 2 U 13 | L6LC2B2640 | 2B13 |
| 6 | 0.5 | 70 | 49 | 4 | 4 | 0.5 | 1 | L6LC3U7000 | 3 U 17 | L6LC3B7000 | 3B17 |
| 6 | 0.5 | 145 | 101.5 | 6 | 6 | 1 | 3 | L6LC4U14500 | 4U22 | L6LC4B14500 | 4B22 |
| 7 | 0.5 | 26.4 | 18.5 | 2 | 2 | 0.25 | 0.75 | L7LC2U2640 | 2 U 13 | L7LC2B2640 | 2B13 |
| 7 | 0.5 | 67 | 46.9 | 4 | 4 | 0.5 | 1 | L7LC3U6700 | 3 U 17 | L7LC3B6700 | 3B17 |
| 7 | 0.5 | 140 | 98 | 6 | 6 | 1 | 3 | L7LC4U14000 | 4U22 | L7LC4B14000 | 4B22 |
| 8 | 0.5 | 26.4 | 18.5 | 2 | 2 | 0.25 | 0.75 | L8LC2U2640 | 2 U 13 | L8LC2B2640 | 2B13 |
| 8 | 0.5 | 64 | 44.8 | 4 | 4 | 0.5 | 1 | L8LC3U6400 | 3 U 17 | L8LC3B6400 | 3B17 |
| 8 | 0.5 | 140 | 98 | 6 | 6 | 1 | 3 | L8LC4U14000 | 4U22 | L8LC4B14000 | 4B22 |
| 9 | 0.5 | 25 | 17.5 | 2 | 2 | 0.25 | 0.75 | L9LC2U2500 | 2 U 13 | L9LC2B2500 | 2B13 |
| 9 | 0.5 | 63 | 44.1 | 4 | 4 | 0.5 | 1 | L9LC3U6300 | 3 U 17 | L9LC3B6300 | 3B17 |
| 9 | 0.5 | 135 | 94.5 | 6 | 6 | 1 | 3 | L9LC4U13500 | 4U22 | L9LC4B13500 | 4B22 |
| 10 | 0.5 | 24 | 16.8 | 2 | 2 | 0.25 | 0.75 | L10LC2U2400 | 2 U 13 | L10LC2B2400 | 2B13 |
| 10 | 0.5 | 60 | 42 | 4 | 4 | 0.5 | 1 | L10LC3U6000 | 3 U 17 | L10LC3B6000 | 3B17 |
| 10 | 0.5 | 135 | 94.5 | 6 | 6 | 1 | 3 | L10LC4U13500 | 4U22 | L10LC4B13500 | 4B22 |
| 12 | 1 | 20 | 14 | 2 | 2 | 0.25 | 0.75 | L12LC2U2000 | 2 U 13 | L12LC2B2000 | 2B13 |
| 12 | 1 | 55 | 38.5 | 4 | 4 | 0.5 | 1 | L12LC3U5500 | 3 U 17 | L12LC3B5500 | 3B17 |
| 12 | 1 | 120 | 84 | 6 | 6 | 1 | 3 | L12LC4U12000 | 4U22 | L12LC4B12000 | 4B22 |
| 14 | 1 | 19 | 13.3 | 2 | 2 | 0.25 | 0.75 | L14LC2U1900 | 2 U 13 | L14LC2B1900 | 2B13 |
| 14 | 1 | 50 | 35 | 4 | 4 | 0.5 | 1 | L14LC3U5000 | 3017 | L14LC3B5000 | 3B17 |
| 14 | 1 | 110 | 77 | 6 | 6 | 1 | 3 | L14LC4U11000 | 4U22 | L14LC4B11000 | 4B22 |
| 15 | 1 | 18.8 | 13.2 | 2 | 2 | 0.25 | 0.75 | L15LC2U1880 | 2 U 13 | L15LC2B1880 | 2B13 |
| 15 | 1 | 47.5 | 33.3 | 4 | 4 | 0.5 | 1 | L15LC3U4750 | 3 U 17 | L15LC3B4750 | 3B17 |
| 15 | 1 | 100 | 70 | 6 | 6 | 1 | 3 | L15LC4U10000 | 4U22 | L15LC4B10000 | 4B22 |
| 16 | 1 | 17.6 | 12.3 | 2 | 2 | 0.25 | 0.75 | L16LC2U1760 | 2 U 13 | L16LC2B1760 | 2B13 |
| 16 | 1 | 45 | 31.5 | 4 | 4 | 0.5 | 1 | L16LC3U4500 | 3 U 17 | L16LC3B4500 | 3B17 |
| 16 | 1 | 95 | 66.5 | 6 | 6 | 1 | 3 | L16LC4U9500 | 4U22 | L16LC4B9500 | 4B22 |
| 18 | 1 | 15 | 10.5 | 2 | 2 | 0.25 | 0.75 | L18LC2U1500 | 2 U 13 | L18LC2B1500 | 2B13 |
| 18 | 1 | 40 | 28 | 4 | 4 | 0.5 | 1 | L18LC3U4000 | 3 U 17 | L18LC3B4000 | 3B17 |
| 18 | 1 | 87 | 60.9 | 6 | 6 | 1 | 3 | L18LC4U8700 | 4U22 | L18LC4B8700 | 4B22 |
| 20 | 1 | 13.2 | 9.2 | 2 | 2 | 0.25 | 0.75 | L20LC2U1320 | 2 U 13 | L20LC2B1320 | 2B13 |
| 20 | 1 | 36 | 25.2 | 4 | 4 | 0.5 |  | L20LC3U3600 | 3 U 17 | L20LC3B3600 | 3B17 |
| 20 | 1 | 83 | 58.1 | 6 | 6 | 1 | 3 | L20LC4U8300 | 4U22 | L20LC4B8300 | 4B22 |
| 24 | 1 | 12.2 | 8.5 | 2 | 2 | 0.25 | 0.75 | L24LC2U1220 | 2 U 13 | L24LC2B1220 | 2B13 |
| 24 | 1 | 33 | 23.1 | 4 | 4 | 0.5 | 1 | L24LC3U3300 | 3017 | L24LC3B3300 | 3B17 |
| 24 | 1 | 70 | 49 | 6 | 6 | 1 | 3 | L24LC4U7000 | 4U22 | L24LC4B7000 | 4B22 |
| 28 | 1 | 11 | 7.7 | 2 | 2 | 0.25 | 0.75 | L28LC2U1100 | 2 U 13 | L28LC2B1100 | 2B13 |
| 28 | 1 | 28 | 19.6 | 4 | 4 | 0.5 | 1 | L28LC3U2800 | 3 U 17 | L28LC3B2800 | 3B17 |
| 28 | 1 | 60 | 42 | 6 | 6 | 1 | 3 | L28LC4U6000 | 4U22 | L28LC4B6000 | 4B22 |
| 30 | 1 | 10.4 | 7.3 | 2 | 2 | 0.25 | 0.75 | L30LC2U1040 | 2 U 13 | L30LC2B1040 | 2B13 |
| 30 | 1 | 25 | 17.5 | 4 | 4 | 0.5 | 1 | L30LC3U2500 | 3 U 17 | L30LC3B2500 | 3B17 |
| 30 | 1 | 55 | 38.5 | 6 | 6 | 1 | 3 | L30LC4U5500 | 4U22 | L30LC4B5500 | 4B22 |
| 32 | 1 | 10 | 7 | 2 | 2 | 0.25 | 0.75 | L32LC2U1000 | 2 U 13 | L32LC2B1000 | 2B13 |
| 32 | 1 | 24 | 16.8 | 4 | 4 | 0.5 | 1 | L32LC3U2400 | 3 U 17 | L32LC3B2400 | 3B17 |
| 32 | 1 | 53 | 37.1 | 6 | 6 | 1 | 3 | L32LC4U5300 | 4U22 | L32LC4B5300 | 4B22 |
| 36 | 1 | 8.8 | 6.2 | 2 | 2 | 0.25 | 0.75 | L36LC2U880 | 2 U 13 | L36LC2B880 | 2B13 |
| 36 | 1 | 22 | 15.4 | 4 | 4 | 0.5 | 1 | L36LC3U2200 | 3 U 17 | L36LC3B2200 | 3B17 |
| 36 | 1 | 47 | 32.9 | 6 | 6 | 1 | 3 | L36LC4U4700 | 4U22 | L36LC4B4700 | 4B22 |
| 40 | 1 | 8.25 | 5.8 | 2 | 2 | 0.25 | 0.75 | L40LC2U825 | 2 U 13 | L40LC2B825 | 2B13 |
| 40 | 1 | 20 | 14 | 4 | 4 | 0.5 | 1 | L40LC3U2000 | 3017 | L40LC3B2000 | 3B17 |
| 40 | 1 | 42.5 | 29.8 | 6 | 6 | 1 | 3 | L40LC4U4250 | 4U22 | L40LC4B4250 | 4B22 |
| 48 |  | 6.6 | 4.6 | 2 | 2 | 0.25 | 0.75 | L48LC2U660 | 2 U 13 | L48LC2B660 | 2B13 |
| 48 | 1 | 16.7 | 11.7 |  | 4 | 0.5 | 1 | L48LC3U1670 | 3 U 17 | L48LC3B1670 | 3B17 |
| 48 | 1 | 35.4 | 24.8 | 6 | 6 | 1 | 3 | L48LC4U3540 | 4U22 | L48LC4B3540 | 4B22 |
| 50 | 1 | 6.6 | 4.6 | 2 | 2 | 0.25 | 0.75 | L50LC2U660 | 2 U 13 | L50LC2B660 | 2B13 |
| 50 | 1 | 16 | 11.2 | 4 | 4 | 0.5 | 1 | L50LC3U1600 | 3 U 17 | L50LC3B1600 | 3B17 |
| 50 | 1 | 34 | 23.8 | 6 | 6 | 1 | 3 | L50LC4U3400 | 4U22 | L50LC4B3400 | 4B22 |
| 55 | 1 | 6 | 4.2 | 2 | 2 | 0.25 | 0.75 | L55LC2U600 | 2 U 13 | L55LC2B600 | 2 B 13 |
| 55 | 1 | 14.5 | 10.2 | 4 | 4 | 0.5 | 1 | L55LC3U1450 | 3 U 17 | L55LC3B1450 | 3B17 |
| 55 | 1 | 31 | 21.7 | 6 | 6 | 1 | 3 | L55LC4U3100 | 4U22 | L55LC4B3100 | 4B22 |
| 60 | 1 | 5.2 | 3.6 | 4 | 4 | 1 | 3 | L60LC2U520 | 2 U 13 | L60LC2B520 | 2 B 13 |
| 60 | 1 | 13.3 | 9.3 | 8 | 8 | 2 | 5 | L60LC3U1330 | 3 U 17 | L60LC3B1330 | 3B17 |
| 60 | 1 | 28.2 | 19.7 | 10 | 10 | 4 | 7 | L60LC4U2820 | 4U22 | L60LC4B2820 | 4B22 |
| 65 | 1 | 4.8 | 3.4 | 4 | 4 | 1 | 3 | L65LC2U480 | 2 U 13 | L65LC2B480 | 2B13 |
| 65 | 1 | 12.3 | 8.6 | 8 | 8 | 2 | 5 | L65LC3U1230 | 3017 | L65LC3B1230 | 3B17 |
| 65 | 1 | 26 | 18.2 | 10 | 10 | 4 | 7 | L65LC4U2600 | 4U22 | L65LC4B2600 | 4B22 |
| 70 | 1 | 4.3 | 3 | 4 | 4 | 1 | 3 | L70LC2U430 | 2 U 13 | L70LC2B430 | 2B13 |
| 70 | 1 | 11.4 | 8 | 8 | 8 | 2 | 5 | L70LC3U1140 | 3 U 17 | L70LC3B1140 | 3B17 |
| 70 | 1 | 24.3 | 17 | 10 | 10 | 4 | 7 | L70LC4U2430 | 4U22 | L70LC4B2430 | 4B22 |
| 75 | 1 | 4 | 2.8 | 4 | 4 | 1 | 3 | L75LC2U400 | 2 U 13 | L75LC2B400 | 2B13 |
| 75 | 1 | 10.7 | 7.5 | 8 | 8 | 2 | 5 | L75LC3U1070 | 3 U 17 | L75LC3B1070 | 3B17 |
| 75 | 1 | 22.6 | 15.8 | 10 | 10 | 4 | 7 | L75LC4U2260 | 4U22 | L75LC4B2260 | 4B22 |
| 80 | 1 | 3.7 | 2.6 | 4 | 4 | 1 | 3 | L80LC2U370 | 2 U 13 | L80LC2B370 | 2B13 |
| 80 | 1 | 10 | 7 | 8 | 8 | 2 | 5 | L80LC3U1000 | 3 U 17 | L80LC3B1000 | 3B17 |
| 80 | 1 | 21.2 | 14.8 | 10 | 10 | 4 | 7 | L80LC4U2120 | 4U22 | L80LC4B2120 | 4B22 |
| 90 | 1 | 3.4 | 2.4 | 4 | 4 | 1 | 3 | L90LC2U340 | 2 U 3 | L90LC2B340 | 2B13 |
| 90 | 1 | 8.9 | 6.2 | 8 | 8 | 2 | 5 | L90LC3U890 | 3 U 17 | L90LC3B890 | 3B17 |
| 90 | 1 | 18.9 | 13.2 | 10 | 10 | 4 | 7 | L90LC4U1890 | 4U22 | L90LC4B1890 | 4B22 |
| 100 | 1 | 2.6 | 1.8 | 4 | 4 | 1 | 3 | L100LC2U260 | 2 U 13 | L100LC2B260 | 2B13 |
| 100 | 1 | 8 | 5.6 | 8 | 8 | 2 | 5 | L100LC3U800 | 3017 | L100LC3B800 | 3B17 |
| 100 | 1 | 17 | 11.9 | 10 | 10 | 4 | 7 | L100LC4U1700 | 4U22 | L100LC4B1700 | 4B22 |

# Infinity Rack Mounting \& Benchtop 

SINGLE OUTPUT MODELS (continued)

| Nominal Adjust Output Range Voltage $\pm$ V |  | Output Current Amps. at |  | Regulation |  | $\begin{array}{\|c\|} \hline \text { Ripple mV } \\ @ 25 \mathrm{MHz} \mathrm{BW}) \end{array}$ |  | Rack Mounting Models | $\begin{aligned} & \text { Case } \\ & \text { Size } \end{aligned}$ | Benchtop Models | $\begin{aligned} & \text { Case } \\ & \text { Size } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Load $\pm \mathrm{mv}$ | Line $\pm \mathrm{mv}$ |  |  |  |  |  |  |
|  |  | $40^{\circ} \mathrm{C}$ |  | $71^{\circ} \mathrm{C}$ | RMS | P-P |  |  |  |  |
| 120 | 1 |  | 2.2 | 1.5 | 4 | 4 | 1 | 3 | L120LC2U220 | 2U13 | L120LC2B220 | 2B13 |
| 120 | 1 | 6.5 | 4.6 | 8 | 8 | 2 | 5 | L120LC3U650 | 3017 | L120LC3B650 | 3B17 |
| 120 | 1 | 14.2 | 9.9 | 10 | 10 | 4 | 7 | L120LC4U1420 | 4U22 | L120LC4B1420 | 4B22 |
| 125 | 1 | 2.4 | 1.7 | 4 | 4 | 1 | 3 | L125LC2U240 | 2 U 13 | L125LC2B240 | 2B13 |
| 125 | 1 | 5.9 | 4.1 | 8 | 8 | 2 | 5 | L125LC3U590 | 3 U 17 | L125LC3B590 | 3B17 |
| 125 | 1 | 13.6 | 9.5 | 10 | 10 | 4 | 7 | L125LC4U1360 | 4U22 | L125LC4B1360 | 4B22 |
| 150 | 1 | 2 | 1.4 | 4 | 4 | 1 | 3 | L150LC2U200 | 2 U 13 | L150LC2B200 | 2B13 |
| 150 | 1 | 4 | 2.8 | 8 | 8 | 2 | 5 | L150LC3U400 | 3017 | L150LC3B400 | 3B17 |
| 150 | 1 | 11.3 | 7.9 | 10 | 10 | 4 | 7 | L150LC4U1130 | 4U22 | L150LC4B1130 | 4B22 |

WIDE ADJUST OUTPUT MODELS

| Output <br> Voltage Range | Output Current Amps. at |  | Regulation |  | Ripple mV(@ 25 MHz BW ) |  | Rack Mounting Models | Case <br> Size | Benchtop Models | Case Size |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Load $\pm \mathrm{mv}$ | Line $\pm \mathrm{mv}$ |  |  |  |  |  |  |
|  | $40^{\circ} \mathrm{C}$ | $71^{\circ} \mathrm{C}$ |  |  | RMS | P.P |  |  |  |  |
| 0-5 | 26.4 | 18.5 | 2 | 2 | 0.25 | 0.75 | Y05LC2U2640 | 2U13 | Y05LC2B2640 | 2B13 |
| 0-5 | 50 | 34.5 | 3 | 3 | 0.5 | 1 | Y05LC3U5000 | 3U17 | Y05LC3B5000 | 3B17 |
| 0-5 | 120 | 84 | 6 | 6 | 1 | 3 | Y05LC4U12000 | 4U22 | Y05LC4B12000 | 4B22 |
| 0-6 | 26.4 | 18.5 | 2 | 2 | 0.25 | 0.75 | Y06LC2U2640 | 2U13 | Y06LC2B2640 | 2B13 |
| 0-6 | 50 | 35 | 3 | 3 | 0.5 | 1 | Y06LC3U5000 | 3 U 17 | Y06LC3B5000 | 3B17 |
| 0-6 | 118 | 82.6 | 6 | 6 | 1 | 3 | Y06LC4U11800 | 4U22 | Y06LC4B11800 | 4B22 |
| 0-8 | 25 | 17.5 | 2 | 2 | 0.25 | 0.75 | Y08LC2U2500 | 2U13 | Y08LC2B2500 | 2B13 |
| 0-8 | 50 | 35 | 3 | 3 | 0.5 | 1 | Y08LC3U5000 | 3U17 | Y08LC3B5000 | 3B17 |
| 0-8 | 110 | 77 | 6 | 6 | 1 | 3 | Y08LC4U11000 | 4U22 | Y08LC4B11000 | 4B22 |
| 0-10 | 24 | 16.8 | 2 | 2 | 0.25 | 0.75 | Y010LC2U2400 | 2U13 | Y010LC2B2400 | 2B13 |
| 0-10 | 47 | 32.9 | 3 | 3 | 0.5 | 1 | Y010LC3U4700 | 3U17 | Y010LC3B4700 | 3B17 |
| 0-10 | 107 | 74.9 | 6 | 6 | 1 | 3 | Y010LC4U10700 | 4U22 | Y010LC4B10700 | 4B22 |
| 0-12 | 20 | 14 | 2 | 2 | 0.25 | 0.75 | Y012LC2U2000 | 2U13 | Y012LC2B2000 | 2B13 |
| 0-12 | 45 | 32 | 3 | 3 | 0.5 | 1 | Y012LC3U4500 | 3U17 | Y012LC3B4500 | 3B17 |
| 0-12 | 100 | 70 | 6 | 6 | 1 | 3 | Y012LC4U10000 | 4U22 | Y012LC4B10000 | 4B22 |
| 0-14 | 19 | 13.3 | 2 | 2 | 0.25 | 0.75 | Y014LC2U1900 | 2U13 | Y014LC2B1900 | 2B13 |
| 0-14 | 42 | 29.4 | 3 | 3 | 0.5 | 1 | Y014LC3U4200 | 3U17 | Y014LC3B4200 | 3B17 |
| 0-14 | 86 | 60.2 | 6 | 6 | 1 | 3 | Y014LC4U8600 | 4U22 | Y014LC4B8600 | 4B22 |
| 0-16 | 17.6 | 12.3 | 2 | 2 | 0.25 | 0.75 | Y016LC2U1760 | 2U13 | Y016LC2B1760 | 2B13 |
| 0-16 | 36.6 | 25.6 | 3 | 3 | 0.5 | 1 | Y016LC3U3660 | 3U17 | Y016LC3B3660 | 3B17 |
| 0-16 | 75 | 52.5 | 6 | 6 | 1 | 3 | Y016LC4U7500 | 4U22 | Y016LC4B7500 | 4B22 |
| 0-18 | 16.6 | 11.6 | 2 | 2 | 0.25 | 0.75 | Y018LC2U1660 | 2U13 | Y018LC2B1660 | 2B13 |
| 0-18 | 33.3 | 23.3 | 3 | 3 | 0.5 | 1 | Y018LC3U3330 | 3 U 17 | Y018LC3B3330 | 3B17 |
| 0-18 | 67 | 46.9 | 6 | 6 | 1 | 3 | Y018LC4U6700 | 4U22 | Y018LC4B6700 | 4B22 |
| 0-20 | 13.2 | 9.4 | 2 | 2 | 0.25 | 0.75 | Y020LC2U1320 | $2 \mathrm{U13}$ | Y020LC2B1320 | 2B13 |
| 0-20 | 30 | 21 | 3 | 3 | 0.5 | 1 | Y020LC3U3000 | 3U17 | Y020LC3B3000 | 3B17 |
| 0-20 | 60 | 42 | 6 | 6 | 1 | 3 | Y020LC4U6000 | 4U22 | Y020LC4B6000 | 4B22 |
| 0-24 | 12.2 | 8.5 | 2 | 2 | 0.25 | 0.75 | Y024LC2U1220 | 2U13 | Y024LC2B1220 | 2B13 |
| 0-24 | 33 | 23.1 | 3 | 3 | 0.5 | 1 | Y024LC3U3300 | 3 U 17 | Y024LC3B3300 | 3B17 |
| 0-24 | 50 | 35 | 6 | 6 | 1 | 3 | Y024LC4U5000 | 4U22 | Y024LC4B5000 | 4B22 |
| 0-28 | 11 | 7.7 | 2 | 2 | 0.25 | 0.75 | Y028LC2U1100 | 2U13 | Y028LC2B1100 | 2B13 |
| 0-28 | 28 | 19.6 | 3 | 3 | 0.5 | 1 | Y028LC3U2800 | 3U17 | Y028LC3B2800 | 3B17 |
| 0-28 | 43 | 30.1 | 6 | 6 | 1 | 3 | Y028LC4U4300 | 4U22 | Y028LC4B4300 | 4B22 |
| 0-30 | 10.4 | 7.28 | 2 | 2 | 0.25 | 0.75 | Y030LC2U1040 | $2 \mathrm{U13}$ | Y030LC2B1040 | 2B13 |
| 0-30 | 18 | 13 | 3 | 3 | 0.5 | 1 | Y030LC3U1800 | 3 U 17 | Y030LC3B1800 | 3B17 |
| 0-30 | 40 | 28 | 6 | 6 | 1 | 3 | Y030LC4U4000 | 4U22 | Y030LC4B4000 | 4B22 |
| 0-36 | 8.8 | 6.2 | 2 | 2 | 0.25 | 0.75 | Y036LC2U880 | 2U13 | Y036LC2B880 | 2B13 |
| 0-36 | 16.6 | 11.6 | 3 | 3 | 0.5 | 1 | Y036LC3U1660 | 3 U 17 | Y036LC3B1660 | 3B17 |
| 0-36 | 33 | 23.1 | 6 | 6 | 1 | 3 | Y036LC4U3300 | 4U22 | Y036LC4B3300 | 4B22 |
| 0-40 | 8.25 | 5.8 | 2 | 2 | 0.25 | 0.75 | Y040LC2U825 | 2U13 | Y040LC2B825 | 2B13 |
| 0-40 | 15 | 10.5 | 3 | 3 | 0.5 | 1 | Y040LC3U1500 | 3U17 | Y040LC3B1500 | 3B17 |
| 0-40 | 30 | 21 | 6 | 6 | 1 | 3 | Y040LC4U3000 | 4U22 | Y040LC4B3000 | 4B22 |
| 0-48 | 6.6 | 4.6 | 2 | 2 | 0.25 | 0.75 | Y048LC2U660 | 2U13 | Y048LC2B660 | 2B13 |
| 0-48 | 12.5 | 8.8 | 3 | 3 | 0.5 | 1 | Y048LC3U1250 | 3 U 17 | Y048LC3B1250 | 3B17 |
| 0-48 | 25 | 17.5 | 6 | 6 | 1 | 3 | Y048LC4U2500 | 4U22 | Y048LC4B2500 | 4B22 |
| 0-50 | 6.6 | 4.6 | 2 | 2 | 0.25 | 0.75 | Y050LC2U660 | 2U13 | Y050LC2B660 | 2B13 |
| 0-50 | 12 | 8.4 | 3 | 3 | 0.5 | 1 | Y050LC3U1200 | 3U17 | Y050LC3B1200 | 3B17 |
| 0-50 | 24 | 16.8 | 6 | 6 | 1 | 3 | Y050LC4U2400 | 4U22 | Y050LC4B2400 | 4B22 |
| 0-55 | 5.5 | 3.9 | 2 | 2 | 0.25 | 0.75 | Y055LC2U550 | 2U13 | Y055LC2B550 | 2B13 |
| 0-55 | 11 | 7.7 | 3 | 3 | 0.5 | 1 | Y055LC3U1100 | 3U17 | Y055LC3B1100 | 3B17 |
| 0-55 | 22 | 15.4 | 6 | 6 | 1 | 3 | Y055LC4U2200 | 4U22 | Y055LC4B2200 | 4B22 |
| 0-60 | 5.2 | 3.6 | 4 | 4 | 1 | 3 | Y060LC2U520 | 2 U 13 | Y060LC2B520 | 2B13 |
| 0-60 | 10 | 7 | 8 | 8 | 2 | 5 | Y060LC3U1000 | 3U17 | Y060LC3B1000 | 3B17 |
| 0-60 | 20 | 14 | 10 | 10 | 4 | 7 | Y060LC4U2000 | 4U22 | Y060LC4B2000 | 4B22 |
| 0-70 | 4.3 | 3 | 4 | 4 | 1 | 3 | Y070LC2U430 | $2 \mathrm{U13}$ | Y070LC2B430 | 2B13 |
| 0-70 | 8.5 | 6 | 8 | 8 | 2 | 5 | Y070LC3U850 | 3U17 | Y070LC3B850 | 3B17 |
| 0-70 | 17.1 | 12 | 10 | 10 | 4 | 7 | Y070LC4U1710 | 4U22 | Y070LC4B1710 | 4B22 |
| 0-75 | 4 | 2.8 | 4 | 4 | 1 | 3 | Y075LC2U400 | 2U13 | Y075LC2B400 | 2B13 |
| 0-75 | 8 | 5.6 | 8 | 8 | 2 | 5 | Y075LC3U800 | 3 U 17 | Y075LC3B800 | 3B17 |
| 0-75 | 16 | 11.2 | 10 | 10 | 4 | 7 | Y075LC4U1600 | 4U22 | Y075LC4B1600 | 4B22 |
| 0-90 | 3.4 | 2.4 | 4 | 4 | 1 | 3 | Y090LC2U340 | 2U13 | Y090LC2B340 | 2B13 |
| 0-90 | 6.7 | 4.7 | 8 | 8 | 2 | 5 | Y090LC3U670 | 3U17 | Y090LC3B670 | 3B17 |
| 0-90 | 13.4 | 9.4 | 10 | 10 | 4 | 7 | Y090LC4U1340 | 4U22 | Y090LC4B1340 | 4B22 |
| 0-100 | 2.6 | 1.8 | 4 | 4 | 1 | 3 | Y0100LC2U260 | 2U13 | Y0100LC2B260 | 2B13 |
| 0-100 | 6 | 4.2 | 8 | 8 | 2 | 5 | Y0100LC3U600 | 3U17 | Y0100LC3B600 | 3B17 |
| 0-100 | 12 | 8.4 | 10 | 10 | 4 | 7 | Y0100LC4U1200 | 4U22 | Y0100LC4B1200 | 4B22 |
| 0-125 | 2.4 | 1.7 | 4 | 4 | 1 | 3 | Y0125LC2U240 | $2 \mathrm{U13}$ | Y0125LC2B240 | 2B13 |
| 0-125 | 5.6 | 3.9 | 8 | 8 | 2 | 5 | Y0125LC3U560 | 3 U 17 | Y0125LC3B560 | 3B17 |
| 0-125 | 9.6 | 6.7 | 10 | 10 | 4 | 7 | Y0125LC4U960 | 4U22 | Y0125LC4B960 | 4B22 |
| 0-150 | 2 | 1.4 | 4 | 4 | 1 | 3 | Y0150LC2U200 | 2U13 | Y0150LC2B200 | 2B13 |
| 0-150 | 4 | 2.8 | 8 | 8 | 2 | 5 | Y0150LC3U400 | 3U17 | Y0150LC3B400 | 3B17 |
| 0-150 | 8 | 5.6 | 10 | 10 | 4 | 7 | Y0150LC4U800 | 4U22 | Y0150LC4B800 | 4B22 |

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