

Laboratory/Bench, Variable - continued

EL Series Bench Power Supplies



EL Series
 Single, Dual & Triple
 0 - 30V, 0 - 1A
 0 - 18V, 0 - 3.3A
 0 - 3-V, 0 - 2A
 0 - 56V, 0 - 1.1A
 30W, 60W, 120W & 125W
 H=160, D=320,
 W=140 (Single)
 W=260 (Dual/Triple)

- Low cost high specification, compact linear design
 - Constant voltage or constant current operation, automatic crossover
 - Fully isolated outputs on duals and triples, separate output switches
 - Isolated logic output switchable as 3.3V or 5V (Exept 302T)
 - Digital meters with bright LED displays for voltage and current
 - Safety & EMC complies with EN61010-1, EN50081-1, EN50082-1
- Note: Model EX302P is a digitally programmable version of the EX302 and offers a low cost, RS232 solution for most power supply applications where the complexity of GPIB is not needed.

Mfrs. List No.	Outputs	Weights
EL301	Single 0-30V @ 0-1A	3.4
EL183	Single 0-18V @ 0-3.3A	4.4
EL302	Single 0-30V @ 0-2A	4.4
EL561	Single 0-56V @ 0-1.1A	4.4
EL302D	Dual 2 x 0-30V @ 0-2A	7.5
EL302T	Triple 2 x 0-30V @ 0-2A & 3.3V/5V @ 1A	7.5
EL303	Single 0-30V @ 0-3A	7.5

Load regulation (main output) <0.01% for 90% load change
 Line regulation (main output) <0.01% for 10% line change
 Ripple & noise (main output) Typically <1mV rms
 Meter accuracies Voltage 0.3% ±1 digit, current 0.6% ±1 digit

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Typ	Mfrs. List No.	Order Code	1+	3+	5+
Single	EL301	488-823	14,710.00	--	--
Single	EL302	175-067	15,181.00	--	--
Single	EL302P	471-8471	23,232.00	--	--
Single	EL183	488-835	15,181.00	--	--
Single	EL561	488-847	16,130.00	--	--
Dual	EL302D	175-079	28,304.00	--	--
Triple	EL302T	175-080	28,548.00	--	--
Single	EL303	847-3986	19,349.00	18,244.00	--

Standard Calibration Charge S C8
 UKAS Calibration Charge N C8

Bench Power Supplies SM Series

digimess®



NEW

W=365 H=165 D=235mm. Weight 7kg

- High currents and voltages
- Can operate in either constant current or constant voltage mode
- Two large red 3.5 digit LED displays for easy viewing
- Switch mode design results in small lightweight units
- All units are supplied with mains leads and operating manuals

Model	SM5020	SM3040	SM10010
Outputs	Single	Single	Single
Output Voltage	0 - 50V	0 - 30V	0 - 100V
Output Current	0 - 20A	0 - 40A	0 - 10A
Line Regulation	<0.02% + 3mV	<0.02% + 3mV	<0.02% + 3mV
Load Regulation (<6A)	<0.02% + 10mV	<0.02% + 10mV	<0.02% + 10mV
Load Regulation (>6A)	<0.1% + 5mV	<0.1% + 5mV	<0.1% + 5mV
Ripple and Noise	<3mV rms	<3mV rms	<3mV rms
Voltage Accuracy	1.0% + 2 digits	1.0% + 2 digits	1.0% + 2 digits
Current Accuracy	2.0% + 2 digits	2.0% + 2 digits	2.0% + 2 digits
Input Voltage	110/200 V ac (externally selectable)		

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Output	Mfrs. List No.	Order Code	1+	2+	5+
20A	SM5020	107-6812	43,133.00	38,820.00	38,708.00
40A	SM3040	107-6813	49,167.00	44,250.00	44,122.00
100V	SM10010	107-6815	50,172.00	45,154.00	45,024.00

Standard Calibration Charge S C5
 UKAS Calibration Charge N C5

TSX Series Bench Power Supplies Standard & Programmable



Standard Programmable

- High current single PSU's, lightweight & compact
- Standard models have rotary controls
- Programmable models have GPIB, RS-232 and keypad
- Very low noise, excellent transient response
- CV & CI operation with automatic crossover
- Comprehensive protection including variable OVP trip
- High setting resolution, remote sense terminals
- GPIB interface (P models) conforms to IEEE-488.2
- RS-232 interface (P models) conforms to ARC standard
- Front and rear terminals

Type	Output	H	W	D	Weight (kg)	Mfrs. List No.	Order Code
Standard	0-35V @ 0-10A	130	210	350	5	TSX3510	666-774
Standard	0-18V @ 0-20A	130	210	350	5	TSX1820	666-786
Programmable	0-35V @ 0-10A	130	210	350	5.5	TSX3510P	666-798
Programmable	0-18V @ 0-20A	130	210	350	5.5	TSX1820P	666-804

Line regulation - O/P change for 10% mains change <0.01% of max. output
 Load regulation - O/P change for 90% load change <0.01% of max. output
 Ripple & Noise Typically <1mV rms

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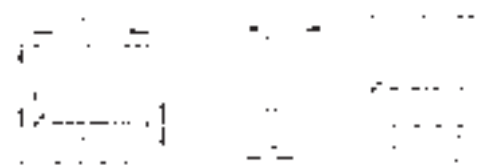
Standard	Order Code	1+	Price Each
35V, 10A	666-774	53,260.00	--
18V, 20A	666-786	55,796.00	--
Programmable			
35V, 10A	666-798	71,610.00	--
18V, 20A	666-804	78,622.00	--

Standard Calibration Charge S C9
 UKAS Calibration Charge N C9

PCB Mounting DC to DC Converter

250mW - DC/DC Converters

Subminiature - 1kV Isolation



- High efficiency for low power applications
- 1kVdc isolation in a SIL plastic package
- Power Density 0.36W/cm³
- UL94V-0 fully encapsulated package material
- No heatsink required
- No external components required
- RoHS Compliant

Nominal input voltage	5, 12V	Output voltage accuracy	+10%, -7.5% (10% to 100% load)
Input voltage range	±10%	Output ripple and noise	50mV pk to pk
Load voltage regulation	+10% -7.5% (min. load 10%)	Efficiency	Up to 75%

Vin	Vo	Mfrs. List No.	Order Code	Vin	Vo	Mfrs. List No.	Order Code
5	5	LME0505SC	102-1402	12	5	LME1205SC	102-1405
5	12	LME0512SC	102-1403	12	12	LME1212SC	102-1406
5	15	LME0515SC	102-1404	12	15	LME1215SC	102-1407

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Order Code	1+	10+	30+	40+	5+
All Order Codes	551.00	518.00	487.00	477.00	--

Isolated 1W Single Output Surface Mount NTE Series



Pin out specification
 Pin 1 GND Pin 8 + V
 Pin 3 Vin Pin 10 NA
 Pin 5 NA Pin 12 NA
 Pin 7 OV Pin 14 NA
 NA - Not available for electrical connection