

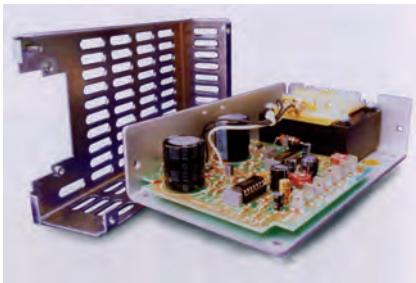


# POWERSTAX LINEAR REGULATED SERIES POWER SUPPLIES

## Outline Product Specification

### FEATURES

- Single & Multi Output Versions
- Cover Options
- Industry Standard Sizes
- Low Noise & Ripple
- Input Selectable 115/230V
- Form. Fit and Function Replacements



Designed to industry standard sizes, these Single and multi-output Linear power supply units for OEM applications from Powerstax are ideal for new applications and the perfect replacement of hard-to-find and obsolete products.

Powerstax can help you solve your most demanding power applications and reverse engineering requirements with reliable, quality products, personal service and prompt delivery.

**FULL DATA & PRICING AVAILABLE FROM POWERSTAX**  
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### Single output

MODEL	Volts	Amps	Module Size
5LB3	5.0V	3.0A	A
5LC6	5.0V	6.0A	B
5LN9	5.0V	9.0A	C
5LD12	5.0V	12.0A	D
5LE18	5.0V	18.0A	E
12LB1.7	12.0V	1.7A	A
12LC3.4	12.0V	3.4A	B
12LN5.1	12.0V	5.1A	C
12LD6.8	12.0V	6.8A	D
12LE10.2	12.0V	10.2A	E
15LB1.5	15.0V	1.5A	A
15LC3	15.0V	3.0A	B
15LN4.5	15.0V	4.5A	C
15LD6	15.0V	6.0A	D
15LE9	15.0V	9.0A	E
24LB1.2	24.0V	1.2A	A
24LC2.4	24.0V	2.4A	B
LN3.6	24.0V	3.6A	C
24LD4.8	24.0V	4.8A	D
24LE7.2	24.0V	7.3A	E
24LE10	24.0V	10.0A	E
28LB1	28.0V	1.0A	A
28LC2	28.0V	2.0A	B
28LN3	28.0V	3.0A	C
28LD4	28.0V	4.0A	D
28LE6	28.0V	6.0A	E
LB0.5	48.0V	0.5A	B

### Multi output

MODEL	OUTPUT 1		+15.0V		OUTPUT 3		Module Size
	V	A	V	A	V	A	
5DLA1.5	5.0V	1.5A	-5.0V	1.5A			AA
12DLA1	12.0V	1.0A	-12.0V	1.0A			AA
12DLB1.7	12.0V	1.7A	-12.0V	1.7A			BB
12DLC3.4	12.0V	3.4A	-12.0V	3.4A			CC
12LE5	12.0V	5.0A	-12.0V	5.0A			E
15DLA0.8	15.0V	0.8A	-15.0V	0.8A			AA
15DLB1.5	15.0V	1.5A	-15.0V	1.5A			BB
15DLC3	15.0V	3.0A	-15.0V	3.0A			CC
15DLE5	15.0V	5.0A	-15.0V	5.0A			E
3TLA1	5.0V	2.0A	9 - 15V	0.4A	-9 - 15V	0.4A	AA
3TLA2	5.0V	2.0A	9 - 15V	0.4A	-5.0V	0.4A	AA
3TLAA1	5.0V	3.0A	12.0V	1.0A	-12.0V	1.0A	AAA
3TLAA2	5.0V	3.0A	15.0V	0.8A	-15.0V	0.8A	AAA
3TLD1	5.0V	6.0A	12 - 15V	1.0A	-12 - 15V	1.0A	D
3TLD2	5.0V	6.0A	12 - 15V	1.0A	-5.0V	0.4A	D
3TLDBB1	5.0V	6.0A	12.0V	1.7A	-12.0V	1.7A	BBB
3TLBB2	5.0V	6.0A	15.0V	1.5A	-15.0V	1.5A	BBB
3TLCC1	5.0V	8.0A	12.0V	1.7A	-12.0V	1.7A	131
3TLCC2	5.0V	8.0A	15.0V	1.5A	-15.0V	1.5A	131
3TLDD1	5.0V	12.0A	12.0V	1.7A	-12.0V	1.7A	DBB
3TLDD2	5.0V	12.0A	15.0V	1.5A	-15.0V	1.5A	DBB
3TLEE1	5.0V	12.0A	+12.0V	3.4A	-12.0V	3.4A	DCC
3TLEE2	5.0V	12.0A	+15.0V	3.0A	-15.0V	3.0A	DCC

### Case Dimensions

MODULE	W	H	D
A	102	53	124
B	124	75	143
C	178	82	124
D	229	82	124
E	356	82	124
AA	102	53	165
BB	124	75	178
CC	238	82	124
AAA	261	75	102
BBB	280	82	124
131	280	82	124
DBB	362	82	124
DCC	381	116	124





## Outline Product Specification

### Single output 5 - 60V

MODEL	Output Volts (preset)	Maximum Current (Amps)	Module Size
S52	0 - 5V	2A	S1
S53	0 - 5V	3A	S4
S55	0 - 5V	5A	S6
S510	0 - 5V	10A	S9
S515	0 - 5V	15A	S10
S520	0 - 5V	20A	S14
S530	0 - 5V	30A	S16
S540	0 - 5V	40A	S16
S560	0 - 5V	60A	S17
S580	0 - 5V	80A	S20
S5100	0 - 5V	100A	S23
NS151	0 - 15V	1A	S1
NS152	0 - 15V	2A	S4
NS153	0 - 15V	3A	S5
NS155	0 - 15V	5A	S6
NS1510	0 - 15V	10A	S9
NS1515	0 - 15V	15A	S14
NS1520	0 - 15V	20A	S14
NS1530	0 - 15V	30A	S16
NS1540	0 - 15V	40A	S22
NS1550	0 - 15V	50A	S22
NS1560	0 - 15V	60A	S23
NS243	0 - 24V	3A	S5
NS245	0 - 24V	5A	S6
NS410	0 - 24V	10A	S12
NS415	0 - 24V	15A	S14
NS2420	0 - 24V	20A	S16
NS2430	0 - 24V	30A	S20
NS2440	0 - 24V	40A	S22
NS2450	0 - 24V	50A	S23
NS300	0 - 30V	0.5A	S1
NS301	0 - 30V	1A	S4
NS302	0 - 30V	2A	S5
NS305	0 - 30V	3A	S6
NS303	0 - 30V	5A	S9
NS3010	0 - 30V	10A	S14
NS3015	0 - 30V	15A	S16
NS3020	0 - 30V	20A	S19
NS3025	0 - 30V	25A	S22
NS3030	0 - 30V	30A	S22
NS3040	0 - 30V	40A	S23
NS500	0 - 50V	0.5A	S1
NS501	0 - 50V	1A	S4
NS502	0 - 50V	2A	S6
NS503	0 - 50V	3A	S9
NS505	0 - 50V	5A	S12
NS5010	0 - 50V	10A	S16
NS5015	0 - 50V	15A	S19
NS5020	0 - 50V	20A	S22
NS5025	0 - 50V	25A	S23
NS601	0 - 60V	1A	S5
NS602	0 - 60V	2A	S6
NS603	0 - 60V	3A	S9
NS605	0 - 60V	5A	S12
NS6010	0 - 60V	10A	S16
NS6015	0 - 60V	15A	S19
NS6020	0 - 60V	20A	S23

### Single output 100 - 150V

MODEL	Output Volts (preset)	Maximum Current (Amps)	Module Size
NM1020	0 - 100V	0.2A	S1
NM1050	0 - 100V	0.5A	S4
NM10100	0 - 100V	1A	S6
NM10200	0 - 100V	2A	S9
NM10300	0 - 100V	3A	S12
NM10500	0 - 100V	5A	S16
NM10100	0 - 100V	10A	S22
NM1510	0 - 150V	0.1A	S1
NM1530	0 - 150V	0.3A	S4
NM1575	0 - 150V	0.75A	S9
NM15120	0 - 150V	1.2A	S10
NM15200	0 - 150V	2A	S14
NM15300	0 - 150V	3A	S16
NM15500	0 - 150V	5A	S19

### Case Dimensions

MODULE	W	H	D
S1	130	102	70
S2	130	102	146
S3	130	102	171
S4	130	102	190
S5	130	102	222
S6	130	102	298
S7	130	140	197
S8	130	140	222
S9	130	140	298
S10	130	140	400
S11	130	203	222
S12	130	203	298
S13	130	203	349
S14	130	203	400
S15	130	305	298
S16	130	305	400
S17	130	432	400
S18	171	305	298
S19	171	305	400
S20	171	432	400
S21	260	305	298
S22	260	305	400
S23	260	432	400

The Powerstax NS / NM & S SERIES are a proven range of versatile, reliable single, dual and triple output linear regulated power modules offering a wide variety of options to provide a solution to demanding power applications and reverse engineering requirements for new applications and replacement of hard-to-find and obsolete products.



### FEATURES

- Single & Multi Output Versions
- Comprehensive range of Options Incl: Voltage, Resistance, Current Loop, IEEE488 & RS232 programming.
- Cover, Bench Case & 19" Rack options.
- Diode Redundancy, Current Share, Constant Current & O/V Crowbar options.
- Line Regulation <0.001%
- Load Regulation <0.02%
- Low Noise & Ripple <500uVpp
- Input selectable 100-125V  
200-250V(in 5V steps)
- Form. Fit and Function Replacements



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## Outline Product Specification

### Twin Output 15 - 50V

MODEL	*Output Volts (preset)	Maximum Current (Amps)	Module Size
NTS241	2 x 0 - 24V	1.0A	S5
NTS152	2 x 0 - 15V	2.0A	S6
NTS153	2 x 0 - 15V	3.0A	S6
NTS155	2 x 0 - 15V	5.0A	S10
NTS1510	2 x 0 - 15V	10.0A	S14
NTS1515	2 x 0 - 15V	15.0A	S16
NTS361	2 x 0 - 36V	1.0A	S6
NTS302	2 x 0 - 30V	2.0A	S6
NTS303	2 x 0 - 30V	3.0A	S10
NTS305	2 x 0 - 30V	5.0A	S14
NTS3010	2 x 0 - 30V	10.0A	S16
NTS500	2 x 0 - 50V	0.5A	S6
NTS501	2 x 0 - 50V	1.0A	S6
NTS502	2 x 0 - 50V	2.0A	S10
NTS503	2 x 0 - 50V	3.0A	S16
NTS505	2 x 0 - 50V	5.0A	S16

\*Factory Preset to required voltage.

User adjustable -/+ 10% min by front panel pot

For Module dimensions, please refer to table on page 2

### Twin Output 100 - 300V

MODEL	Output Volts (preset)	Maximum Current (Amps)	Module Size
NTM1030	2 x 0 - 100V	0.3A	S8
NTM1060	2 x 0 - 100V	0.6A	S11
NTM10100	2 x 0 - 100V	1.0A	S12
NTM1515	2 x 0 - 150V	0.15A	S8
NTM11515A	1 x 0 - 300V	0.15A	S8
NTM1530	2 x 0 - 150V	0.3A	S11
NTM11530A	1 x 0 - 300V	0.3A	S11
NTM11550	2 x 0 - 150V	0.5A	S12

### Triple Output

MODEL	5V Current Amps	-12V Current Amps	+12V Current Amps	Module Size
3S1	3A	1A	1A	S9
3S2	5A	2A	2A	S9
3S3	10A	3A	3A	S12
3S5	15A	5A	5A	S16
3S10	30A	10A	10A	S17

The Powrestax NTS / NTM / 3S / ST / TR & ELITE Series are a proven range of versatile, reliable single, dual and triple output linear regulated power modules offering a wide variety solutions to demanding power applications and reverse engineering requirements for new applications and replacement of hard-to-find and obsolete products. .

Input selectable 100-125V  
200-250V (in 5V steps).

### SR and TR Series 5 - 30V mini module

High specification as APC-NS and APC-NM Series

#### Single Output

MODEL	Output Volts (preset) Range	Max. Output Current (Amps)	Module Size
SR85	4 - 6V	0.8A	A
SR125	4 - 6V	1.2A	B
SR515	7 - 15V	0.5A	A
SR815	7 - 15V	0.8A	B
SR230	15 - 30V	0.25A	A
SR230A	15 - 30V	0.5A	A

#### Twin Output

MODEL	Output Volts (preset) Range	Max. Output Current (Amps)	Module Size
TR45	2 x 4 - 6V	0.4A	A
TR65	2 x 4 - 6V	0.6A	B
TR215	2 x 7 - 15V	0.25A	A
TR415	2 x 7 - 15V	0.4A	B
TR130	2 x 15 - 30V	0.125A	A
TR130A	2 x 15 - 30V	0.25A	A

Module dimensions:

A = 65mm(H) x 65mm (W) x 130mm (D)

B = 84mm(H) x 65mm (W) x 130mm (D)

Also available: The Powerstax PS Series. A range of programmable modular units to the same specification as the Powerstax NS/NM ranges. Standard feature include switch selectable programming of both voltage and current by external resistance or 0-10VDC, auto crossover contact voltage/current modes and output current monitoring.

### ELITE Series. Modular cased 25 - 200W

#### FEATURES

- Single, Dual & Triple Output Versions
- Line & Load Regulation <0.001%
- Low Noise & Ripple <1.5mVpp
- Input 115/230V (selectable by taps)
- Form. Fit and Function Replacements

MODEL	*Output Volts (preset)	Maximum Current (Amps)	Module Size
Powerstax 5E5	5V	5A	E1
Powerstax 5E10	5V	10A	E2
Powerstax 12E3	12V	3A	E1
Powerstax 12E6	12V	6A	E2
Powerstax 15E3	15V	3A	E1
Powerstax 15E6	15V	6A	E2
Powerstax 24E2	24V	2A	E1
Powerstax 24E4	24V	4A	E2
Powerstax 24E8	24V	8A	E3
Powerstax 30E1	30V	1.5A	E1
Powerstax 30E3	30V	3A	E2
Powerstax 12TE1	2 x 12V	1.5A	E1
Powerstax 12TE3	2 x 12V	3A	E2
Powerstax 15TE1	2 x 15V	1.5A	E1
Powerstax 12TE3	2 x 15V	3A	E2
Powerstax 5TE4	5 -/+ 15V	4/1 A	E2



Module dimensions:

E1 = 88mm(H) x 105mm (W) x 164mm (D)

E2 = 88mm(H) x 215mm (W) x 164mm (D)

E3 = 128mm(H) x 215mm (W) x 200mm (D)

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