

POWER SUPPLIES

12V DC 2A REGULATED POWER SUPPLY

This regulated power supply will deliver a constant 12V DC regardless of current drain up to 2 Amp, making it perfect for voltage sensitive appliances like intercoms, scanners, CB radios, CCTV cameras, test bench power supply etc.

Specifications
Output voltage - 12V DC \pm 5%
Current rating - 2A Continuous
Regulation - 99%
Ripple - 500mV p-p

Approval Certificate No. W2432



Part Number
M8240

13.8V DC 5A REGULATED POWER SUPPLY

This power supply delivers 13.8V DC at up to 5A peak. It is ideally suited for CB radios, communication equipment, tape recorders, portable televisions, or as a bench top power supply. Includes overload, short circuit protection and binding posts for the DC output.

Specifications
Output voltage - 13.8V DC \pm 5%
Current rating - 3A Continuous
Ripple - 200mV p-p



Part Number
M8250

13.8V DC 2A POWER SUPPLY

This 2 amp rated power supply can power appliances requiring 13.8V DC at up to 2 Amps. It is supplied with a 2M lead fitted with a reversible 2.1mm DC plug. Suitable for intercoms, car radios, CB's, car stereos etc.

Specifications
Output voltage - 13.8V DC \pm 5%
Current rating - 2A Continuous
Ripple - 500mV p-p

Approval Certificate No. W2432



Part Number
M8245

MULTI-VOLTAGE 1.5A REGULATED POWER SUPPLY

This compact sturdy power supply is capable of delivering a constant 1.5A at the following voltages: 3, 4.5, 6, 7.5, 9 and 12V. The output voltage is user selectable via the front panel selector switch. As the supply is regulated the selected output voltage varies only minimally from full load to no load. This makes it ideal for voltage sensitive devices like portable TV sets, video games, tape recorders, radios, scanners & computers. Connection to the appliance is by the binding posts on the front panel. It also features a mains on/off switch and power on indicator.

Input voltage - 240V
Output voltage - 3,4.5,6,7.5,9,12V DC
Current rating - 1.5A Continuous
Regulation - <0.4% @ 12V @ 1.5A
Ripple - <100mV @ 12V @ 1.5A
Dimensions - 135L x 70H x 100W
Weight - 1.4 kgs

FEATURES:
 - Short circuit protected
 - Overload protected
 - Low ripple voltage



Part Number
M8230

DC REGULATED POWER SUPPLY, 0 - 30 VOLTS, 0 - 3 AMPS

This laboratory bench power supply is compact, stylish and very functional. It is ideal for experimenting, designing, testing and repairing a wide range of electronic appliances including digital circuits with sensitive regulation requirements. Separate digital LCD meters are provided for voltage and current settings. All models feature current limiting, adjustable voltage and current settings.

Specifications
Voltage Output -

0 to 30V DC adjustable @ 0-3A
 Fixed 12 Volt DC Auxiliary @ 0.5A
 Fixed 5 Volt DC Auxiliary @ 0.5A
 Variable 0 to 3A on main
 500mA max fixed rails
 Less than 0.05% +10mV
 ~ 200W x 120H x 230D mm
 ~ 5.4 kg

Output Current -

Load Regulation -
Dimensions -
Net Weight -

FEATURES:

- Fully regulated
- Current limited
- Digital LCD meters
- Short circuit and overload protected
- Floating outputs



Part Number
M8200A

DC REGULATED POWER SUPPLY, 0 TO 30 VOLTS, 0 TO 5 AMPS

This laboratory bench power supply is compact, stylish and very functional. It is ideal for experimenting, designing, testing and repairing a wide range of electronic appliances including digital circuits with sensitive regulation requirements. Separate digital LCD meters are provided for voltage and current settings. All models feature current limiting, adjustable voltage and current settings.

Specifications
Voltage Output -

0 to 30V DC adjustable @ 0-5A
 Fixed 12 Volt DC Auxiliary @ 0.5A
 Fixed 5 Volt DC Auxiliary @ 0.5A
 Variable 0 to 5A on main
 500mA max fixed rails
 Less than 0.05% +10mV
 ~ 200W x 120H x 280D mm
 ~ 6 kg

Output Current -

Load Regulation -
Dimensions -
Net Weight -

FEATURES:

- Fully regulated
- Current limited
- Digital LCD meters
- Short circuit and overload protected
- Floating outputs



Part Number
M8205

DC REGULATED POWER SUPPLY, 0 TO 18 VOLTS, 0 TO 10 AMPS

The massive 10 Amp output of this power supply makes it ideally suited for testing high power RF transmitters, high power car amplifiers and stereos. It could also be used for testing inverters, charging batteries and general workshop use.

Specifications
Voltage Output -

0 to 18V DC adjustable @ 0-10A
 Variable 0 to 5A on main
 500mA max fixed rails
 Less than 0.05% +10mV
 ~ 150W x 145H x 310D mm
 ~ 7.1 kg

Output Current -

Load Regulation -
Dimensions -
Net Weight -

FEATURES:

- Fully regulated
- Current limited
- Digital LCD meters
- Short circuit and overload protected
- Floating outputs



Part Number
M8210

VARIABLE AUTOTRANSFORMER, 0-260VAC, 500VA

The variable autotransformer is one of the most useful and efficient devices ever intended for the control of A.C. voltage-dependent parameters such as current, power, temperature, light intensity, motor speed etc. It enables the A.C. input to mains powered appliance to be easily varied from 0 to full line voltage or greater. Encased in heavy-duty housing it also features on/off switch, output-voltage meter, mains supply lead and standard 3-pin power output. A must for testing appliance performance under real (simulated) mains fluctuations

Specifications

Voltage Output - 0 - 260VAC @ 50Hz
Input Voltage - 240VAC @ 50 Hz
Rated Power Handling - 500VA (fused)
Dimensions - ~ 120W x 160H x 165D mm



Part Number
MP3080

VARIABLE POWER SUPPLY, 3 TO 15V, 25 AMP REGULATED

The MP3088 is a high current DC regulated laboratory power supply. It features variable output voltage 3-15VDC, high current - 25 Amp, easy to use low current push terminals, separate voltage and current meters. Also included are overload LED indicator, on/off switch with power on LED indicator. Output current is dependant on output voltage.

Specifications

Voltage Output - 3 to 15VDC
Output Current - 25A
 30A max
 <10mV (RMS)
Forced air
Ripple & Noise - 5 A
Recommended fuse - 30m V max
Load Regulation - ~ 150W x 130H x 300D mm
Dimensions - ~ 9 kg
Net Weight -



Part Number
MP3088

DUAL OUTPUT, DUAL TRACKING POWER SUPPLY

This is a precision power supply that is effectively two 0-40VDC 3 amp power supplies in one case. The two outputs can be operated independently or switched to "dual tracking" mode to provide "master" and "slave" outputs. The outputs can also be strapped together to provide up to 80VDC @ up to 3 amps or 40VDC @ up to 6 amps. Course and fine voltage controls are provided on both outputs, as is current limit control. Each output has independent digital voltage and current meters.

Specifications

Voltage Output - 2 x 0 to 40V DC to 15VDC
Output Current - 0 to 3A (x2)
Ripple & Noise - 2.5m V max
Load Regulation - 30m V max
Dimensions - ~ 305W x 135H x 270L mm
Net Weight - ~ 9 kg



Part Number
MP3092

POWER SUPPLIES SWITCHMODE

SINGLE VOLTAGE SWITCHMODE

Universal AC input / full range
Fixed switching frequency at 56 KHz
100% full load burn-in test
protection: short circuit / OLP / OVP
Approvals: UL / TUV / CE
2 years warranty

Low cost, high reliability
105° Output Capacitor
International AC input range
High Efficiency, low working temperature
Soft-start circuit, limiting AC surge current
Short circuit, overload, over voltage protected
Compact size, light weight
100% full load burn-in test
Built in EMI Filter, low ripple noise

DUAL VOLTAGE SWITCHMODE

AC input range selectable by switch
100% full load burn-in test
protection: short circuit / OLP / OVP
Approvals: UL / CUL / TUV / CB / CE
2 years warranty

25W 85 ~ 264 VAC 47 ~ 63Hz			
Part Number	Voltage	Current A	Size
S-25-5	+5v	5A	99x97x36
S-25-12	+12v	2.1A	99x97x36
S-25-15	+15v	1.7A	99x97x36
S-25-24	+24v	1.1A	99x97x36

40W 85 ~ 264 VAC 47 ~ 63Hz			
Part Number	Voltage	Current A	Size
S-40-5	+5v	8A	129x98x38
S-40-12	+12v	3.5A	129x98x38
S-40-15	+15v	2.8A	129x98x38
S-40-24	+24v	1.8A	129x98x38

60W 85 ~ 264 VAC 47 ~ 63Hz			
Part Number	Voltage	Current A	Size
S-60-5	+5v	12A	159x97x38
S-60-12	+12v	5A	159x97x38
S-60-15	+15v	4A	159x97x38
S-60-24	+24v	2.5A	159x97x38

100W 85 ~ 264 VAC 47 ~ 63Hz			
Part Number	Voltage	Current A	Size
S-100-5	+5v	20A	199x98x38
S-100-12	+12v	8.5A	199x98x38
S-100-15	+15v	6.7A	199x98x38
S-100-24	+24v	4.5A	199x98x38

150W 85 ~ 264 VAC 47 ~ 63Hz			
Part Number	Voltage	Current A	Size
S-150-5	+5v	30A	199x110x50
S-150-12	+12v	12.5A	199x110x50
S-150-15	+15v	10A	199x110x50
S-150-24	+24v	6.5A	199x110x50

240W 176 ~ 264 VAC 47 ~ 63Hz			
Part Number	Voltage	Current A	Size
S-240-5	+5v	40A	190x93x50
S-240-12	+12v	18A	199x110x50
S-240-15	+15v	15A	199x110x50
S-240-24	+24v	10A	199x110x50



120W Dual Output 176 ~ 264 VAC			
Part Number	Voltage	Current A	Size
D-120A	+5v / +12v	12A / 5A	199x110x50
D-120B	+5v / +24v	10A / 4A	199x110x50

DIN RAIL POWER SUPPLIES

Universal AC input/Full Range
UL508 listed approved
Fixed switching frequency at 100 KHz
Free air cooling convection
Installed on DIN Rail TS35/7.5 or 15
LED indicator for power on
100% full load burn-in test
3 years warranty

Din Rail	Input = 85 ~ 264 VAC / 120 ~ 370VDC			
Part Number	Voltage	Current A	Power	Size
DR-4505	+5v	5A	25W	93x78x67
DR-4512	+12v	3.5A	42W	93x78x67
DR-4515	+15v	2.8A	42W	93x78x67
DR-4524	+24v	2A	45W	93x78x67

AC input range selected by switch
Approvals:UL/CUL/TUV/CB/CE
UL508 listed approved
Free air cooling convection
Installed on DIN Rail TS35 / 7.5 or 15
LED indicator for power on
100% full load burn-in test
3 years warranty

Din Rail	Input = 88 ~ 264 VAC 248~370VDC			
Part Number	Voltage	Current A	Power	Size
DR-120-12	+12v	10A	120W	125x100x65
DR-120-24	+24v	5A	120W	125x100x65
DR-120-48	+48v	2.5A	120W	125x100x65

DC-DC CONVERTERS

1W DC-DC Regulated

1000VDC I/O isolation
Internal SMD technology
Built-in EMI filter
Cooling by free air convection
Non-conductive plastic case
Single in line package
Low cost / High reliability
Approvals: FCC / CE
Size 19.6 x 7.1 x 10.2



3W DC-DC Regulated Single Output

2:1 wide input range
1000VDC I/O isolation
Protections: Short circuit / Overload
Built-in EMI filter
Cooling by free air convection
Five-sided shield metal case
Low cost / High reliability
Approvals: FCC / CE
Size 31.8 x 20.3 x 12.2



5W DC-DC Regulated Single Output

2:1 wide input range
Protections: Short circuit / Overload
1000VDC I/O isolation
Built-in EMI filter
Five-sided shield metal case
Low cost / High reliability
Approvals: FCC / CE
Size 50.8 x 25.4 x 11.3



Part Number	Output Vdc	Input Vdc	Power	Pins
SPRO1L-05	5V	14.5 ~ 5.5V	200mA	4 Pin
SPRO1N-05	5V	21.6 ~ 26.4V	200mA	4 Pin
PD10S1205E-PBSN	5V	10.8 ~ 13.2V	200mA	5 Pin
NMA0505SC	± 5V	4.5 ~ 5.5V	100mA	5 Pin
NMA1212SC	± 12V	10.8V ~ 13.2V	42mA	5 Pin

3W DC-DC 8 Pin PCB			
Part Number	Output Vdc	Input Vdc	Power
SCW03A-05	5V	9 ~ 18V	600mA
SCW03B-05	5V	18 ~ 36V	600mA
PD4W30S2405D-MAD	5V	9 ~ 36V	600mA
PD4W30S2405D-MAD	12V	9 ~ 36V	250mA

5W DC-DC 5 Pin PCB			
Part Number	Output Vdc	Input Vdc	Power
SLW05A-05	5V	9 ~ 18V	1000mA
SLW05B-05	5V	18 ~ 36V	1000mA

10W DC-DC Regulated

2:1 / 4:1 wide input voltage
High I/O isolation voltage
MOSFET design
Single / Dual output
Input filter
200KHz Min. switching frequency
Size 50.8 x 25.4 x 11.3



15W DC-DC Regulated

2:1 wide input range
Protections: Short circuit / Overload
1000VDC I/O isolation
Built-in EMI filter
Five-sided shield metal case
Low cost / High reliability
Approvals: FCC / CE
Size 50.8 x 25.4 x 11.3



10W DC-DC 5 Pin PCB			
Part Number	Output Vdc	Input Vdc	Power
SKE10A-05	5V	9 ~ 18V	2000mA
SKE10A-12	12v	9 ~ 18V	840mA
PDH4W100D2415D-M	±15V	9 ~ 36V	333mA

15W DC-DC 5 Pin PCB			
Part Number	Output Vdc	Input Vdc	Power
SKA15A-05	5V	9 ~ 18V	3000mA
SKA15B-05	5V	18 ~ 36V	3000mA

KEMO-M029 Step Up Converter

This electronically controllable DC v/c transforms a low input voltage in to a high output voltage
Size 82 x 60 x 23



KEMO-M020 Step Down Converter

With this module you may operate 12 V/DC devices at a 24 V/DC truck or marine engine battery
Size 60 x 45 x 20



Part Number	Output V DC	Input Vdc	Output A
KEMO-M029	11 ~ 26V	6 ~ 14V	Max 2A
KEMO-M020	13.8V	24 ~ 30V	1.1A