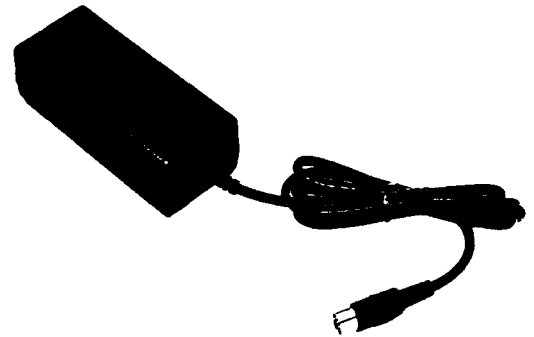
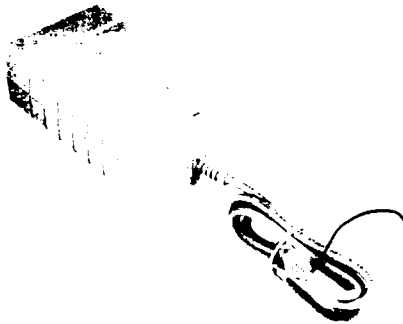


The UPS and DT series plastic adapter power supplies provide reliable external DC power for portable or peripheral systems at a very low cost. Universal input and international safety agency approvals as well as many different input and output cord/connector options ensure global application and acceptance. Single, dual and triple output models are available.



FEATURES

- CE (LVD) COMPLIANT
- VDE CLASS 'B' EMI COMPLIANT
- LOW COST FLYBACK TOPOLOGY
- 90-264 VAC UNIVERSAL INPUT
- HIGH-RELIABILITY MOS-FET DESIGN
- UL LISTED TO UL 1950
- TUV APPROVAL TO IEC950/EN60950
- CSA 234 or 1402c LEVEL 3 APPROVAL
- CURRENT MODE CONTROL

GENERAL SPECIFICATIONS

INPUT VOLTAGE:	90-264 VAC, 47-440 Hz. Consult the factory for 400 Hz. operation.	HI-POT ISOLATION:	3750 VAC input to output for 1 minute (DC equiv.).
INRUSH CURRENT:	20A @ 115 VAC, 40A @ 230 VAC (thermistor limited).	RIPPLE & NOISE:	1% p-p of output voltage, measured through a 12" twisted pair across a 47uf capacitor.
INPUT FUSING:	2A / 250V.	OVERVOLTAGE PROTECTION:	+5V output exceeding 115% - 135% causes crowbar, automatic recovery.
HOLD-UP TIME:	20 mS, min., from nominal line and full load.	OPERATING TEMPERATURE:	0° to 50° C at rated continuous load, derating linearly to 50% of rated load at 70° C.
DC OUTPUT:	See selection chart.	STORAGE TEMP.:	-55° C to 85° C.
SWITCHING FREQUENCY:	40 kHz nominal.	HUMIDITY:	5% to 95% R.H. (N.C.).
EFFICIENCY:	70% typical.	ALTITUDE:	10,000 ft., 40,000 ft. non-operating.
CONDUCTED EMI:	VDE Class 'B' (see charts).	SAFETY:	UL/CSA/TUV approved.
TEMPERATURE COEFFICIENT:	0.02% / degree C (after 30 min. warmup).		
OVERLOAD PROTECTION:	Power limiting - within 150% of total power.		

Plastic Adapter - Model Selection Chart

Adapter Series

OUTLINE		2.95" x 5.79" x 1.77" / 75 x 147 x 45 mm			See mechanical drawing on page 20 and connector options on page 21			
PWR (1)	MODEL	VOLTAGE	MIN. (2)	FULL (3)	PEAK	W/AIR	REG. (4)	EMI (5)
20W	UPS20-105P	5.0V	0.20A	4.00A	N/A	N/A	±5%	VDE B
20W	UPS20-109P	9.0V	0.20A	2.30A	N/A	N/A	±5%	VDE B
20W	UPS20-112P	12.0V	0.20A	1.70A	N/A	N/A	±5%	VDE B
20W	UPS20-115P	15.0V	0.20A	1.40A	N/A	N/A	±5%	VDE B
20W	UPS20-124P	24.0V	0.20A	1.00A	N/A	N/A	±5%	VDE B
20W	UPS20-102P	+5.0V +12.0V	0.20A 0.10A	1.20A 1.20A	N/A	N/A	±5% ±5%	VDE B
25W	UPS25-121P	+5.0V +12.0V -12.0V	0.20A 0.10A	2.00A 1.00A 0.30A	N/A	N/A	±5% ±5% ±8%	VDE B
25W	UPS25-122P	+5.0V +12.0V -5.0V	0.20A 0.10A	2.00A 1.00A 0.50A	N/A	N/A	±5% ±5% ±8%	VDE B
25W	UPS25-123P	+5.0V +12.0V -5.0V	0.20A 0.05A	4.00A 0.25A 0.20A	N/A	N/A	±5% ±5% ±8%	VDE B

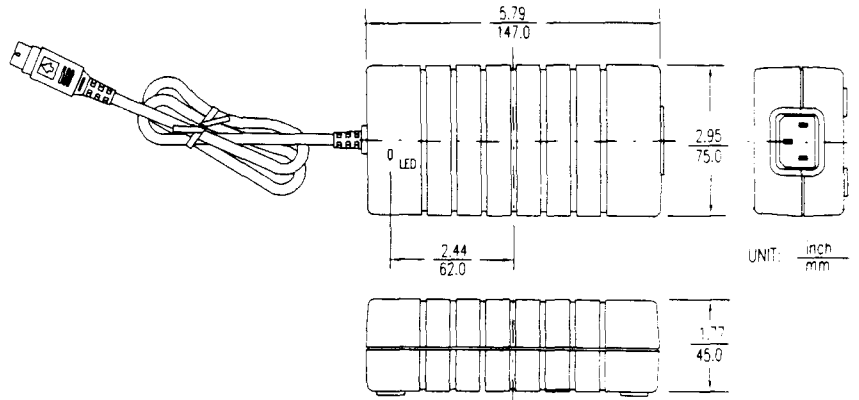
OUTLINE		3.47" x 6.69" x 2.31" / 88 x 170 x 58.7 mm			See mechanical drawing on page 20 and connector options on page 21			
PWR (1)	MODEL	VOLTAGE	MIN. (2)	FULL (3)	PEAK	W/AIR	REG. (4)	EMI (5)
30W	UPS30-205P	5.0V	0.20A	6.00A	N/A	N/A	±5%	VDE B
30W	UPS30-209P	9.0V	0.20A	3.30A	N/A	N/A	±5%	VDE B
30W	UPS30-212P	12.0V	0.20A	2.50A	N/A	N/A	±5%	VDE B
30W	UPS30-215P	15.0V	0.20A	2.00A	N/A	N/A	±5%	VDE B
30W	UPS30-224P	24.0V	0.20A	1.30A	N/A	N/A	±5%	VDE B
30W	UPS30-V20P	+5.0V +12.0V	0.20A 0.10A	2.00A 1.50A	N/A	N/A	±5% ±5%	VDE B
30W	UPS30-230P	+5.0V +12.0V -12.0V	0.20A 0.10A	1.50A 1.50A 0.30A	N/A	N/A	±5% ±5% ±8%	VDE B

OUTLINE		2.95" x 5.79" x 1.77" / 75 x 147 x 45 mm			See mechanical drawing on page 20 and connector options on page 21		
PWR (1)	MODEL	VOLTAGE	MIN. (2)	FULL (3)	PEAK	REG. (4)	NOISE & RIPPLE
30W	DT30-1051	5.1V	0.0A	5A	6A	±5%	50 mV
30W	DT30-1121	12.0V	0.0A	2.5A	3A	±5%	120 mV
30W	DT30-1151	15.0V	0.0A	2A	2.5A	±5%	150 mV
30W	DT30-1241	24.0V	0.0A	1.25A	1.5A	±5%	240 mV
30W	DT30-1002	+5.1V +12.0V	0.0A 0.0A	2.5A 1.5A	2A 3A	±4% ±5%	50 mV 120 mV

NOTES:

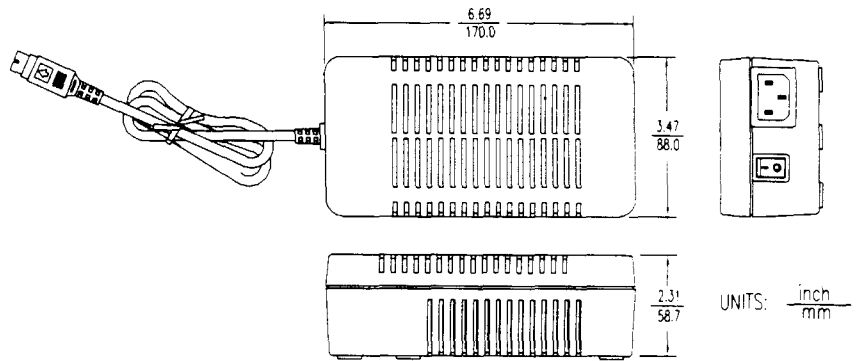
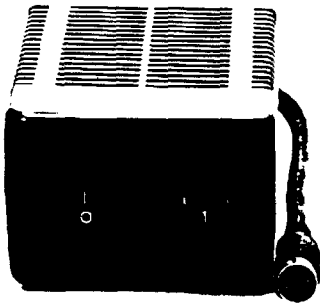
- The power supply may be capable of more than the specified continuous and/or peak ratings, depending upon the nature of the application. Consult a factory Sales Engineer for feasibility.
- Minimum load specified assures output voltage stability for all specified line voltage conditions. Full compliance to the total regulation specification may require additional loading (not to exceed 25% of rated output current for each output). Operation at no load will not damage the power supply.
- Each output can provide its full rated output current provided the total wattage does not exceed nominal (continuous) rating.
- Total regulation includes the combined effects of:
 - initial setpoint of main output (and/or any other adjustable output) of ±1% max.
 - line regulation for any input voltage change between 90 & 264 VAC.
 - load regulation for a min. - 100% of rated continuous load change.
 - cross regulation for a min. - 100% of rated continuous load change on any other output(s) and assumes that the total continuous power rating of the supply is not exceeded. [See Note 2].

REGULATION PERFORMANCE IS PARTIALLY DEPENDANT UPON OUTPUT CONNECTOR OPTION SELECTED.
- Units which comply with VDE level B also meet FCC level B.



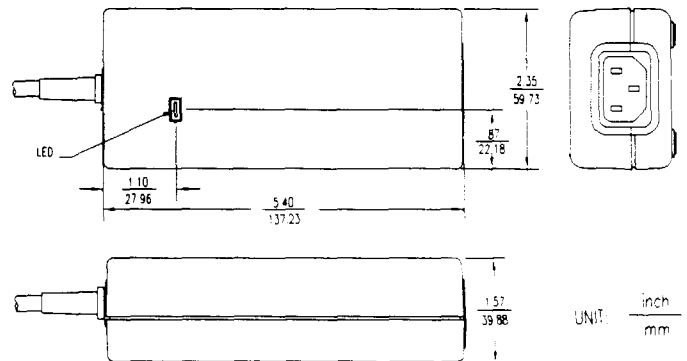
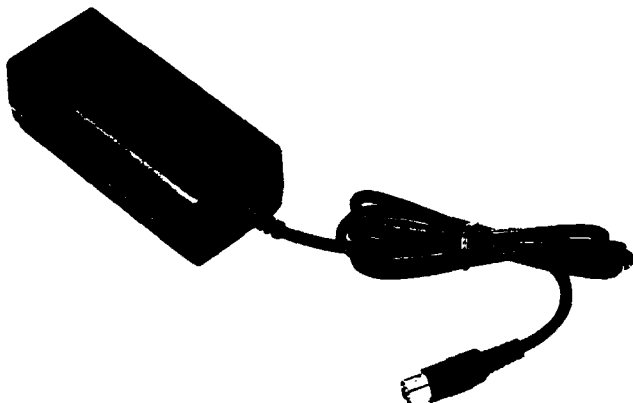
Standard case color: OFF WHITE. (Alternate colors available upon request - consult factory).
See facing page for connector options.

UPS20-1XXP, UPS25-12XP



Standard case color: BLACK. (Alternate colors available upon request - consult factory).
See facing page for connector options.

UPS30-2XXP, UPS30-V2OP

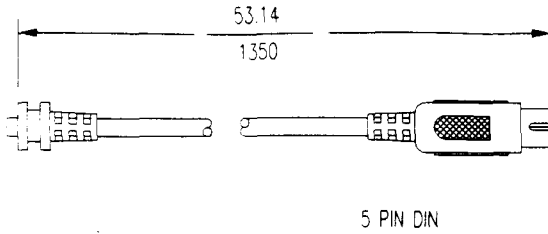


Standard case color: BLACK. (Alternate colors available upon request - consult factory)

CONNECTOR OPTIONS

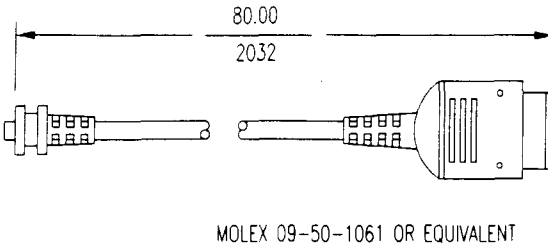
SUFFIX

- 5D



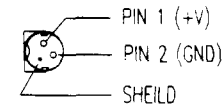
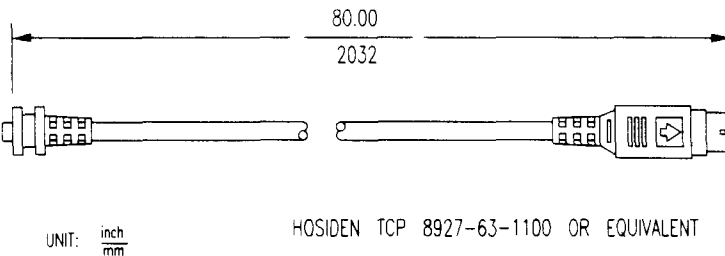
	SINGLE	DUAL	TRIPLE
3	+V	+5V	+5V
5	+V	+12V	+12V
2	GND	GND	GND
4	GND	GND	-V
1	SHLD	SHLD	SHLD

- M

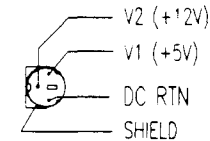
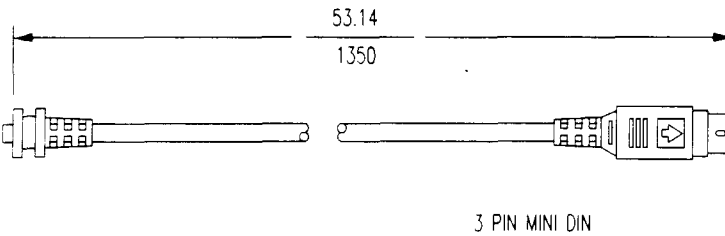


	SINGLE	DUAL	TRIPLE
6	+V	+12V	+12V
5	NO CONNECTION-KEY		
4	GND	GND	-12V
3	+V	+5V	+5V
2	GND	GND	GND
1	SHLD	SHLD	SHLD

- H

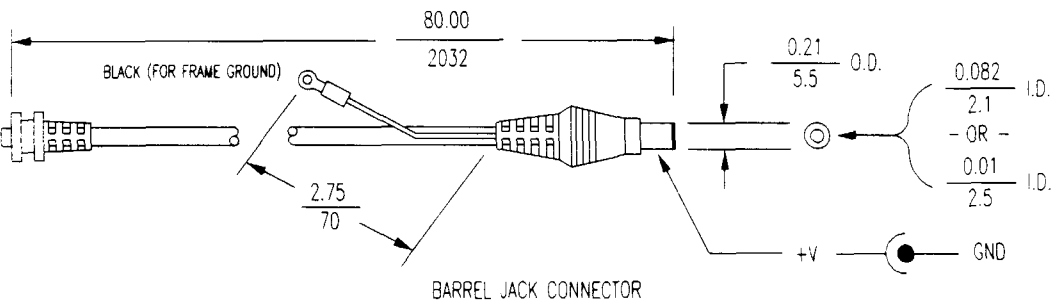


- 3D



- J21

- J25



Note: Not all connector types are available on all models as a standard feature. Some output connector / model number combinations require minimum order quantities and/or additional leadtime. Consult factory for your specific configuration.

Optional A.C. input cables are available as follows: North American, British, Continental Europe, Danish, Italian, Israel, Australia / New Zealand and Swiss.

Minimum order quantities may apply