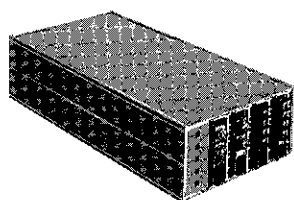


UltraFlex Series 48VDC-input modular power supplies



**Customized Power
Supplies Available in
1 Week**

Compact Packages

**Fully Regulated &
Independent Outputs**

**Universal AC Input or
48VDC Input**

**Power Factor &
Harmonic Correction**

**System Interface &
Monitoring Signals**

**International Safety
Agency Approvals**

**Meets Worldwide EMI
Requirements**

**Input Transient
Protection**

**Fixed Frequency
Converters**

Remote Sense

There's no need to panic just because you need a power supply that doesn't seem to be available from stock. In just one week or less, Lambda will ship a prototype 400W or 600W supply with any output voltages and signals you need. The UltraFlex Series provides high performance and high power density, with either a power factor corrected AC input or a 48VDC input.

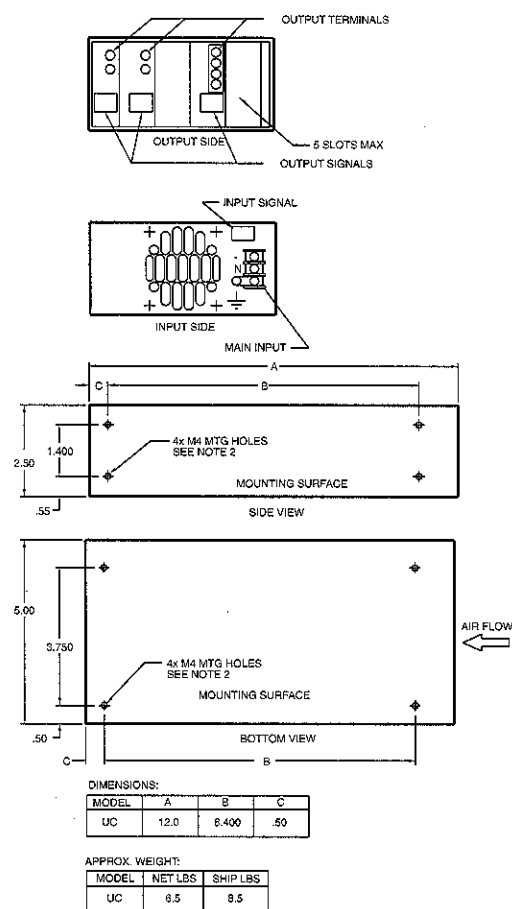
With leading edge and proprietary circuit design, 280 KHz fixed frequency converters, synchronized circuits, planar magnetics, advanced thermal management and surface mount technology, these power supplies offer state-of-the-art power densities, exceptional flexibility, reliability, and outstanding performance.

Lambda's UltraFlex Series gives you the flexibility you need to cope with today's fast paced new product development cycles and relentless time-to-market schedules.

Similar products

		Page
UltraFlex	AC Input	50
PFD	Higher Power	94
WD	Low Power, Fixed Outputs	90

DC Input	36-75VDC on Case C.
Efficiency	75% typical at nominal line voltage.
Inrush Current Limiting	Less than 40amps peak.
EMI	Conducted EMI conforms to EN55022, Level B, and FCC Docket 20780 Part 15, Subpart J, Class B.
Output Voltage Adj Range ..	±10% of nominal output voltage on all.
Line Regulation	Less than 0.1% for line variations from 85-265VAC. Less than 0.2% for dual output modules.
Load Regulation	Less than 0.4% for load variations from no load to full load and full load to no load. Less than 0.8% for dual output modules.
Cross Regulation	Less than 0.1% between single output modules. Less than 3% between dual outputs with 25% load change on high current output.
Ripple and Noise	For outputs 12V or less, 50mV pk to pk or 15mV RMS. For outputs greater than 12V, 1% pk to pk or .33% V RMS. For dual outputs, 1% pk to pk or .33% V RMS 20mHz bandwidth.
Preload	External preload is not required on single output modules. Dual output modules require 1A minimum load on the highest current output (Output #1).
Hold-up Time	The output voltage will remain within regulation limits for 20msec at full load with nominal 115/230VAC line input.
Overvoltage Protection	Internal circuitry will shut down the individual output module. Reset the OVP by recycling the input power.
Overload Protection	Overcurrent protection on single output modules limits the current. Upon removal of the overload condition, normal operation resumes automatically.
Cooling	Cooling is provided via an internal DC operated ball-bearing fan.
Operating Temperature Range	Full operation from 0° to +50°C with 100% rated power on most models. Derate linearly from +50°C to 50% power at +65°C.
Storage Temperature	-40°C to +85°C.
Temperature Coefficient	0.02%/°C.
Isolation	Conforms to safety agency requirements.
Remote Sensing	Remote sense compensates for total cable drop of up to 0.5VDC. Available on all outputs.
Thermal Protection	The power supply will shut down in the event of an overtemperature condition (the fan will continue to operate). To restore operation, the supply must cool down and the AC input must be recycled.
Mounting	Two mounting surfaces on all models.
Military Specifications	SHOCK – MIL-STD-810E, Method 516.4, Procedure 1. VIBRATION – MIL-STD-810E, Method 514.4, Category I, TP1.
Safety Agency	UL 1950, CSA 22.2 No.220 and/or 234 Bulletin 1902A, EN 60950, EN 41003 & BS 7002, CE (Low Voltage Directive).
Warranty	3 years.



(WEIGHT DEPENDENT ON MODULE CONFIG.)

NOTE: See Page 43 for model configurator.