

Ultra-low Cost Programmable Linear Power Supplies



by **AMREL**

- Microprocessor Controlled
- Digital Programming and Readback
- Keypad Data Entry
- Power-off Memory
- Voltage and Current Slew Function
- Low PARD/Noise and Ripple
- Superior Line and Load Regulation
- Output Enable/Disable
- One Year Warranty

	LPS-301	LPS-302	LPS-304	LPS-305
Configurator	Single Output - Dual Range		Triple Output	
Output Power	30W	60W	70W	165W
Output Voltage	0-15V(H)/0-30V(L)	0-15V(H)/0-30V(L)	0 to \pm 30V	
Voltage Accuracy	\pm (0.2% of reading + 2 digits)			
Setting Resolution	10mV			
Line Regulation	1mV			
Load Regulation	2mV			
Noise (Vrms)	1mVms			
Ripple(Vp-p)(B.W.:20Hz-2MHz)	10mVp-p			
Transient Response	-----			
Temperature Coefficient	100ppm/ $^{\circ}$ C typical			
Output Current	0-2A(H)/0-1A(L)	0-4A(H)/0-2A(L)	0 to 3A	0 to \pm 2.5A
Current Accuracy	\pm (0.5% of reading + 5 digits)			
Setting Resolution	1mA			
Line Regulation	15mA			
Load Regulation	5mA			
Noise (Arms)	1mArms			
Ripple (Ap-p)	5mAp-p			
Temperature Coefficient	200ppm/ $^{\circ}$ C typical			
Fixed Output Voltage (Partial Adjustment)	-----		5V	3.3V or 5V
Fixed Output Current	-----		2A	3A
Transient Response	100 μ s typical			200 μ s typical
Display	16 x 2 LCD with backlight			
Common Mode Voltage	\pm 240V			
Temperature Rating	0 $^{\circ}$ C to 40 $^{\circ}$ C (operating) / -40 $^{\circ}$ C to 70 $^{\circ}$ C (storage)			
R	80%			
Dimensions (W x H x L)	8.7" x 3.4" x 11.8"			8.4"x5.2"x15.7"
Weight	10lbs	12lbs		18lbs
Cooling Fan	Convection	Forced Air		
Warranty	-----			
RS-232c Interface	Optional			Standard