

TWO: UNIT FAMILIARIZATION

2.1 SPECIFICATIONS

Model	LPS-101	LPS-102	LPS-103	LPS-104	LPS-105	LPS-106
MAX. OUTPUT POWER	30W	60W	90W	80W	200W	60W
OUTPUTS CONFIGURATION	Single	Single	Single	Triple	Triple	Single
OUTPUT VOLTAGE						
Output Voltage	30V	30V	30V	30V	30V	60V
Setting Resolution	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
OUTPUT CURRENT						
Output Current	1A	2A	3A	1A	3A	1A
Setting Resolution	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
CONSTANT VOLTAGE CHARACTERISTICS (at rated output)						
Line Regulation ($\pm 10\%$ AC)	0.01%+1mV	0.01%+1mV	0.01%+1mV	0.01%+1mV	0.01%+1mV	0.01%+1mV
Load Regulation (100% load change)	0.01%+1mV	0.01%+1mV	0.01%+1mV	0.01%+1mV	0.01%+1mV	0.01%+1mV
Noise RMS	0.3mV rms	0.3mV rms	0.3mV rms	0.3mV rms	0.3mV rms	0.3mV rms
Ripple peak (10Hz to 20MHz)	5mV p-p	5mV p-p	5mV p-p	5mV p-p	5mV p-p	5mV p-p
Transient Response	50 μ s / <100mV					
Temperature Coefficient	200ppm/ $^{\circ}$ C					
CONSTANT CURRENT CHARACTERISTICS (at rated output)						
Line Regulation ($\pm 10\%$ AC)	0.1%+2mA	0.1%+2mA	0.1%+2mA	0.1%+2mA	0.1%+2mA	0.1%+2mA
Load Regulation (100% load change)	0.1%+2mA	0.1%+2mA	0.1%+2mA	0.1%+2mA	0.1%+2mA	0.1%+2mA
Noise RMS	2mA rms	2mA rms	2mA rms	2mA rms	2mA rms	2mA rms
Ripple peak (10Hz to 20MHz)	5mA p-p	5mA p-p	5mA p-p	5mA p-p	5mA p-p	5mA p-p
Temperature Coefficient	0.1%					
OTHER						
Fixed Output Voltage (Partial Adjustment)	---	---	---	3V~6.5V	3V~6.5V	---
Fixed Output Current	---	---	---	3A	3A	---
Transient Response	---	---	---	50 μ s	50 μ s	---
Temperature Range	Operating: 0 $^{\circ}$ C to 40 $^{\circ}$ C, less than 80% RH; Storage: -45 $^{\circ}$ C to 75 $^{\circ}$ C, less than 80% RH					
Dimensions (WxHxL)	6.3/4" x 4 11/16" x 12"			6 3/4" x 9 1/2" x 12"		6 3/4" x 4 11/16" x 12"
Weight	8 lb.	10 lb.	11 lb.	14 lb.	22 lb.	8 lb.
Cooling	Convention	Convention	Convention	Convention	Convention	Convention