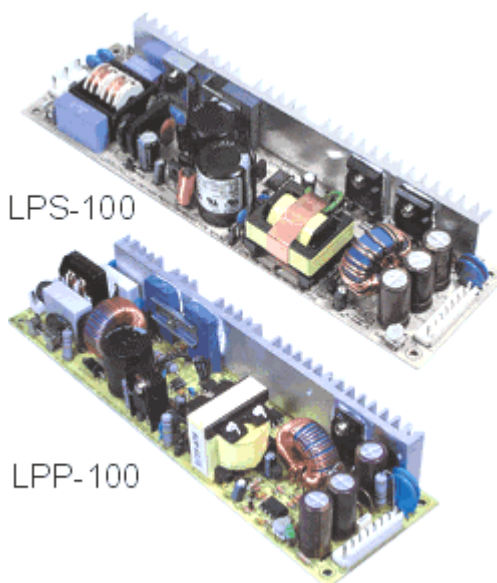




100W

100W Single Output Switching Power Supply

MW LPP-100 series



Features :

- . Low cost, High reliability
- . 105°C output capacitor
- . International AC input range
- . High efficiency, Low working temperature
- . Soft-start circuit, Limiting AC surge current
- . Short circuit, Overload protected
- . Compact size, Light weight
- . 100% full load burn-in test
- . Built-in PFC circuit
- . Power factor : 0.98 typical

. 3 years warranty



Specification	Model	LPP100 3.3	LPP100 5	LPP100 7.5	LPP100 12	LPP100 13.5	LPP100 15	LPP100 24	LPP100 27	LPP100 48
DC output voltage		3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V
Output voltage tolerance		±2%	±2%	±2%	±2%	±2%	±2%	±1%	±1%	±1%
Output rated current		20A	20A	13.5A	8.5A	7.5A	6.7A	4.2A	3.8A	2.1A
Output current range		0-20A	0-20A	0-13.5A	0-8.5A	0-7.5A	0-6.7A	0-4.2A	0-3.8A	0-2.1A
Ripple & noise		100mV	100mV	100mV	100mV	100mV	100mV	150mV	150mV	250mV
Line regulation		±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation		±1%	±1%	±1%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
Rated output power		66W	100W	101.25W	102W	101.25W	100.5W	100.8W	102.6W	100.8W
Efficiency		69%	75%	76%	79%	79%	80%	83%	83%	83%
DC voltage adjustment		+10, -5%								
Input voltage range		85~264VAC 47~63Hz ; 120~370VDC								
AC current		1.7A/115V ; 0.75A/230V ; 3.3V :1.2A/115V 0.6A/230V								
Inrush current		Cold start 40A/230V								
Leakage current		<2mA/240VAC								
Over-load protection		105%~150% type : constant current limiting . Reset : auto-recovery								
Over-voltage protection		115%~135% Type : Shutdown Reset : re-Power on								
Temperature coefficient		±0.05% /°C (0°~50°C)								
Set-up, Rise, Hold-up time		600ms, 30ms, 20ms,/115VAC ; 1.2s, 30ms, 20ms /230VAC								
Power factor		PF>0.95/230VAC, PF>0.98/115VAC								
Vibration		10~500Hz, 2G 10min./1cycle, period for 60min. Each axes								
Withstand voltage		I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC								
Isolation resistance		I/P-O/P, I/P-FG, O/P-FG: 500VDC / 100MΩ								
Working temp. & humidity		-10°C~60°C (refer to output derating curve), 20%~90% R.H.								
Storage temp. & humidity		-20°C~+85°C, 10%~95% R.H. (non-condensing)								
Dimensions		222 x 62 x 35 mm (Length x Width x Height) PCB only								
Weight		370 gr								
Safety standards		Meet UL1950, TUV EN60950								
EMC standards		Meet EN55022 class B, EN61000-4-2,3,4,5,6,8,11 ; ENV61000-3—2, -3								

Notes:

- All parameters are specified at 230VAC input, rated load, 25°C & 70% R.H. ambient.
- Tolerance include set up tolerance, line regulation, load regulation
- Ripple & Noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1yF & 47uF capacitor.
- Line regulation is measured from low line to high line at rated load

