

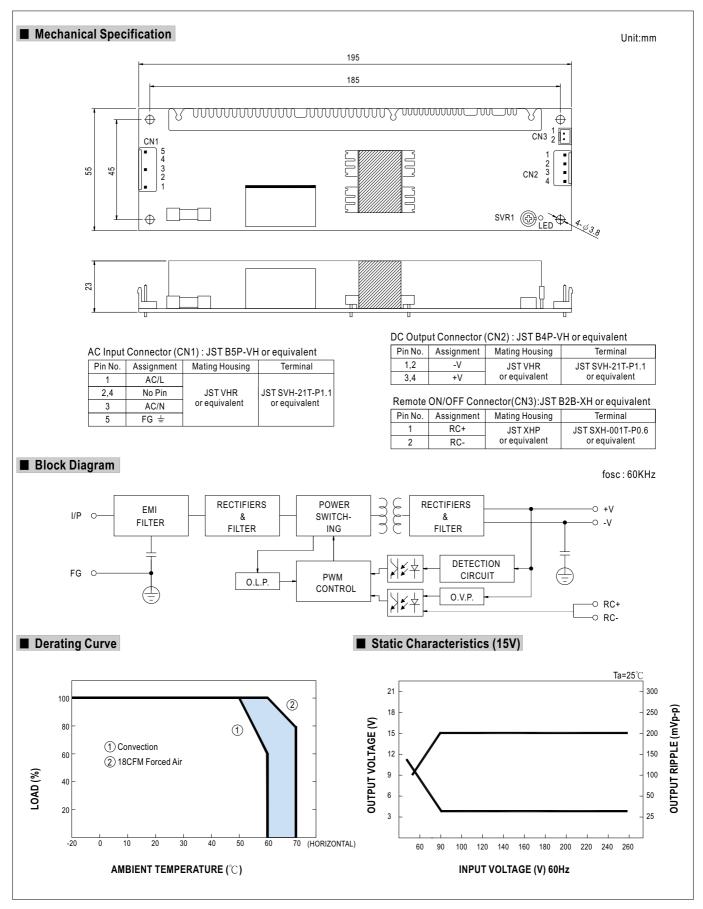
## Features:

- Universal AC input / Full range
- Protections:Short circuit/Over load/Over voltage
- Cooling by free air convection
- Small and compact size
- Built-in remote ON-OFF control
- LED indicator for power on
- 100% full load burn-in test
- Low profile:23mm thickness
- 2 years warranty

## c Aus Land Base CBCE

SPECIFIC	ATION									
MODEL		LPS-50-3.3	LPS-50-5	LPS-50-12	LPS-50-15	LPS-50-24	LPS-50-48			
OUTPUT	DC VOLTAGE		3.3V	5V	12V	15V	24V	48V		
	RATED CURRENT		10A	10A	4.2A	3.4A	2.1A	1.1A		
	CURRENT RANGE		0 ~ 12A	0 ~ 12A	0 ~ 5A	0 ~ 4.1A	0 ~ 2.5A	0 ~ 1.3A		
	RATED POWER		33W	50W	50.4W	51W	50.4W	52.8W		
	PEAK LOAD(10se	c.) Note.4	39.6W	60W	60W	61.5W	60W	62.4W		
	RIPPLE & NOISE (	max.) Note.2	50mVp-p	50mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p		
	VOLTAGE ADJ. RA	ANGE	3~3.6V	4.5 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 27.2V	43.2 ~ 52.8V		
	VOLTAGE TOLERA	ANCE Note.3	±3.0%	±3.0%	±2.0%	±2.0%	±1.0%	±1.0%		
	LINE REGULATION		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	LOAD REGULATION		±3.0%	±3.0%	±2.0%	±2.0%	±1.0%	±1.0%		
	SETUP, RISE TIME		100ms, 40ms/230VAC 100ms, 40ms/115VAC at full load							
	HOLD TIME (Typ.)		70ms/230VAC 12ms/115VAC at full load							
INPUT	VOLTAGE RANGE		90 ~ 264VAC 127 ~ 370VDC							
	FREQUENCY RANGE		47 ~ 63Hz							
	EFFICIENCY(Typ.)	)	75%	81%	82%	84%	85%	86%		
	AC CURRENT	115VAC	0.9A	1.2A		•				
	(Typ.)	230VAC	0.6A 0.8A							
	INRUSH CURRENT (Typ.)		COLD START 18A/115VAC 35A/230VAC							
	LEAKAGE CURRENT		<1mA/240VAC							
PROTECTION	OVER LOAD		122 ~ 160% rated output power							
			Protection type : Hiccup mode, recovers automatically after fault condition is removed							
	OVER VOLTAGE		3.8 ~ 4.45V	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V	57.6 ~ 67.2V		
			Protection type: Hiccup mode, recovers automatically after fault condition is removed							
FUNCTION	REMOTE ON/OFF		RC+/RC-: 0 ~ 0.8V power on; 4 ~ 10V power off							
	WORKING TEMP.		-20 ~ +70°C (Refer to output load derating curve)							
	WORKING HUMIDITY		20 ~ 90% RH non-condensing							
ENVIRONMENT	STORAGE TEMP., HUMIDITY		-20 ~ +85°C, 10 ~ 95% RH							
	TEMP. COEFFICIENT		±0.04%/°C (0~50°C)							
	VIBRATION		10 ~ 500Hz, 2G 10min./1cycle, Period for 60min.each along X, Y, Z axes							
	SAFETY STANDARDS		UL60950-1, TUV EN60950-1 Approved							
	WITHSTAND VOLTAGE		I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC							
SAFETY &	ISOLATION RESISTANCE		I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC							
EMC	EMI CONDUCTION & RADIATION		Compliance to EN55022 (CISPR22) Class B							
(Note 5)	HARMONIC CURRENT		Compliance to EN61000-3-2,-3							
	EMS IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, EN61000-6-2 (EN50082-2) Heavy industry level, criteria A							
	MTBF		341.7Khrs min. MIL-HDBK-217F (25°C)							
OTHERS	DIMENSION		195*55*23mm (L*W*H)							
	PACKING		0.24Kg; 48pcs/12.5Kg/0.84CUFT							
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  3. Tolerance: includes set up tolerance, line regulation and load regulation.  4. 33.3% Duty cycle maximum within every 30 seconds. Average output power should not exceed the rated power.  5. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.									









## Features:

- Universal AC input / Full range
- Protections:Short circuit/Over load/Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fix switching frequency at 134KHz
- 3 years warranty

## SPECIFICATION CBCE

MODEL		LPS-100-3.3	LPS-100-5	LPS-100-7.5	LPS-100-12	LPS-100-13.5	LPS-100-15	LPS-100-24	LPS-100-27	LPS-100-48		
OUTPUT	DC VOLTAGE	3.3V	5V	7.5V	12V	13.5V	15V	24V	27V	48V		
	RATED CURRENT	20A	20A	13.3A	8.4A	7.5A	6.7A	4.2A	3.8A	2.1A		
	CURRENT RANGE	0 ~ 20A	0 ~ 20A	0 ~ 13.3A	0~8.4A	0 ~ 7.5A	0 ~ 6.7A	0 ~ 4.2A(6A 10s)	0~3.8A	0~2.1A		
	RATED POWER	66W	100W	99.75W	100.8W	101.25W	100.5W	100.8W(144W 10s)	102.6W	100.8W		
	RIPPLE & NOISE (max.) Note.2	150mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p	200mVp-p		
	VOLTAGE ADJ. RANGE	3~3.6V	4.5 ~ 5.7V	6 ~ 9V	10 ~ 13.2V	12 ~ 15V	13.5 ~ 18V	20 ~ 26.4V	26 ~ 32V	41 ~ 56V		
	VOLTAGE TOLERANCE Note.3	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%	±1.0%	±1.0%	±1.0%		
	LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%		
	LOAD REGULATION	±2.0%	±2.0%	±1.5%	±1.5%	±1.5%	±1.5%	±0.5%	±0.5%	±0.5%		
	SETUP, RISE TIME	800ms, 50ms/230VAC 1200ms, 50ms/115VAC at full load										
	HOLD TIME (Typ.)	20ms/230VAC 20ms/115VAC at full load										
INPUT	VOLTAGE RANGE	88 ~ 132VAC / 176 ~ 264VAC auto switch 248 ~ 370VDC										
	FREQUENCY RANGE	47 ~ 63Hz										
	EFFICIENCY(Typ.)	69%	77%	77%	79%	79%	80%	80%	81%	81%		
	AC CURRENT (Typ.)	2.3A/115VAC 1.5A/230VAC										
	INRUSH CURRENT (Typ.)	COLD START 30A/115VAC 60A/230VAC										
	LEAKAGE CURRENT	<1mA/240VAC										
PROTECTION	OVER LOAD	105 ~ 140% (+24V: above 6.5A) rated output power  Protection type: Hiccup mode, recovers automatically after fault condition is removed										
	OVER VOLTAGE	3.8 ~ 4.45V	5.75 ~ 6.75V	9.4 ~ 10.9V	13.8 ~ 16.2V	15.5 ~ 18.2V	18 ~ 21V	27.6 ~ 32.4V	33.7 ~ 39.2V	57.6 ~ 67.2\		
		Protection type: Hiccup mode, recovers automatically after fault condition is removed										
ENVIRONMENT	WORKING TEMP.											
	WORKING HUMIDITY	20 ~ 90% RH non-condensing										
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH										
	TEMP. COEFFICIENT	±0.05%/℃ (0										
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, Period for 60min.each along X, Y, Z axes										
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 Approved										
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC										
SAFETY &	ISOLATION RESISTANCE	\(\text{I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC}\)										
EMC (Note 4)	EMI CONDUCTION & RADIATION											
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3										
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, Light industry level, criteria A										
OTHERS	MTBF	203.6Khrs min. MIL-HDBK-217F (25°ℂ)										
	DIMENSION	222*62*32mm (L*W*H)										
	PACKING	0.45Kg; 24pcs/12.5Kg/1.76CUFT										
NOTE	Ripple & noise are measure     Tolerance: includes set up     The power supply is consid     EMC directives.  If the input range 85V-89V,	ally mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.  Ired at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  p tolerance, line regulation and load regulation.  idered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets  /, the output load is changed from 0A-rated load, There will be reduced 20V for 1second (LPS-100-24).  12 should be grounded for EMI purposes.										

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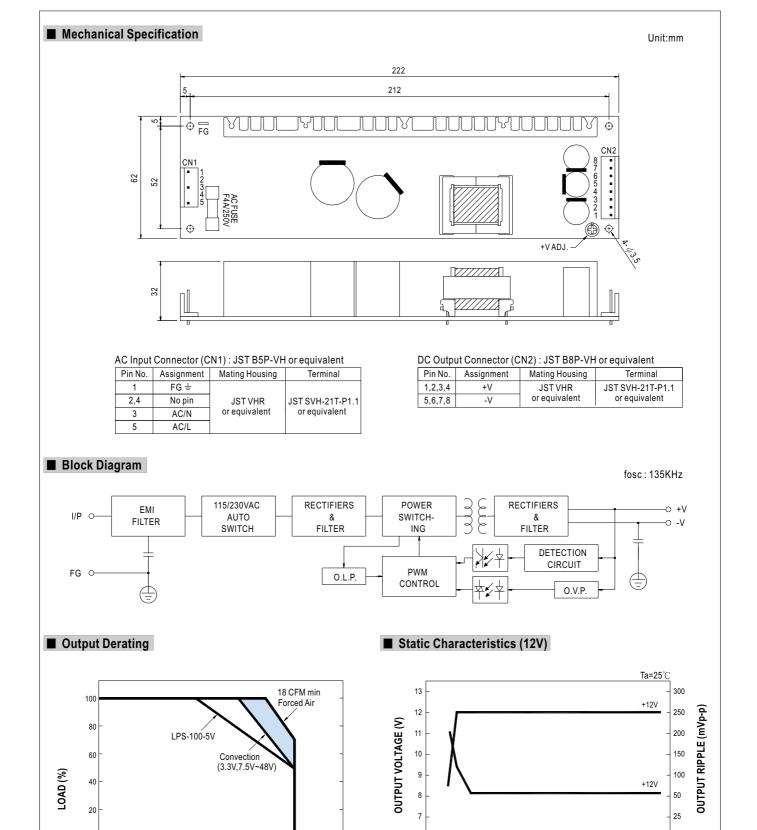
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AMBIENT TEMPERATURE (°C)

-10

60 (HORIZONTAL)





220 240 260

120 140 160 180 200

INPUT VOLTAGE (V) 60Hz