



■ Features :

- 180-264VAC input only
- Fully encapsulated with IP67 level (Note.5)
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Pass LPS
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- High reliability / Low cost
- 5 years warranty

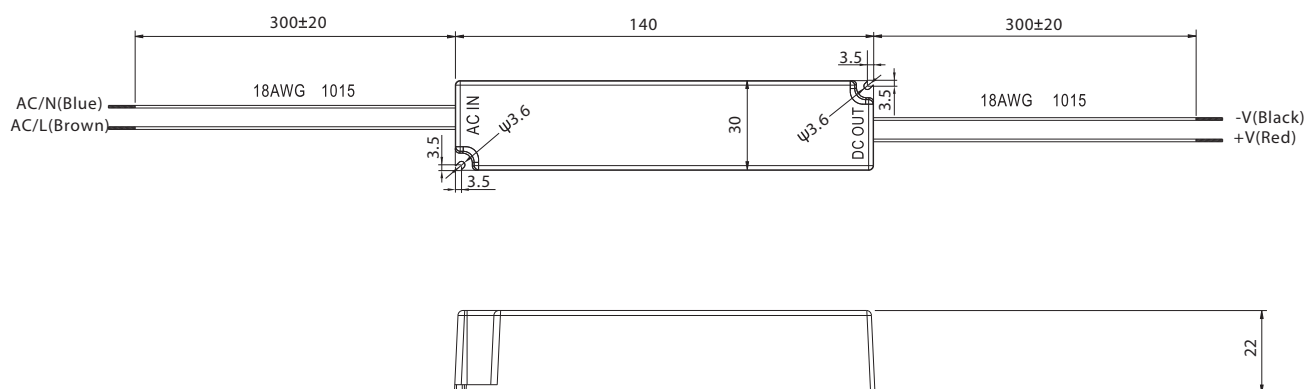
□ LPS IP67  

SPECIFICATION

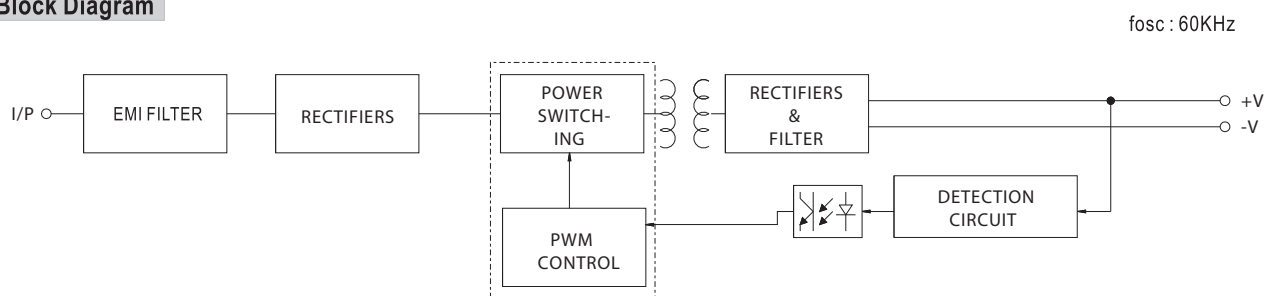
MODEL		BP-V12-180
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	1.5A
	CURRENT RANGE	0 ~ 1.5A
	RATED POWER	18W
	RIPPLE & NOISE (max.) Note.2	120mVp-p
	VOLTAGE TOLERANCE Note.3	±3.0%
	LINE REGULATION	±1.0%
	LOAD REGULATION	±2.0%
	SETUP, RISE TIME	1500ms, 30ms / 230VAC
	HOLD UP TIME (Typ.)	50ms/230VAC at full load
INPUT	VOLTAGE RANGE	180 ~ 264VAC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY(Typ.)	78%
	AC CURRENT	0.3A/230VAC
	INRUSH CURRENT(max.)	Cold start 50A/230VAC
PROTECTION	LEAKAGE CURRENT	0.25mA / 240VAC
	OVER CURRENT	Above 105% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed
	OVER VOLTAGE	13.8~ 16.2V Protection type : Shut off o/p voltage, clamping by zener diode
	OVER TEMPERATURE	Tj 170 t typically (U1) Detect on main control IC Protection type : Hiccup mode, recovers automatically after temperature goes down
	WORKING TEMP.	-30 ~ 70°C (Refer to output load derating curve)
ENVIRONMENT	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC (Note 4)	SAFETY STANDARDS	TUV EN60950-1, IP67 approved; design refer to UL1310 Class 2, EN61347-2-13, CAN/CSA C22.2 No. 223-M91
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC
	ISOLATION RESISTANCE	I/P-O/P: >100M Ohms / 500VDC / 25°C / 70% RH
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B
	HARMONIC CURRENT	Compliance to EN61000-3-2 Class A, EN61000-3-3
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; ENV50204, EN55024, Light industry level, criteria A
	MTBF	1200.6K hrs min. MIL-HDBK-217F (25)
	DIMENSION	140*30*22(L*W*H)
	PACKING	0.175Kg; 70pcs/13.3Kgs/0.71CUFT
NOTE		<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.</p> <p>5. Suitable for indoor use or outdoor use without direct sunlight exposure.</p>

Mechanical Specification

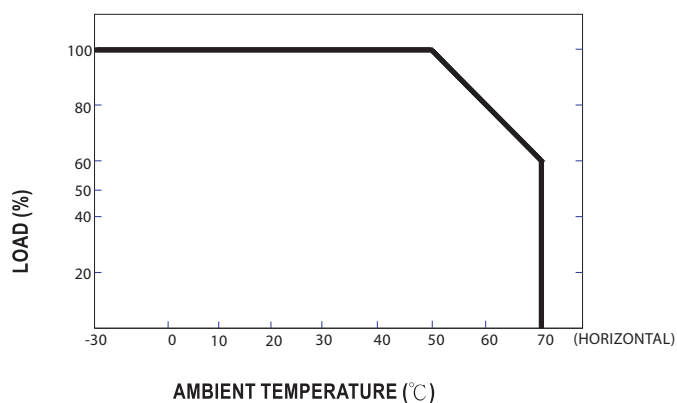
Unit:mm



Block Diagram



Derating Curve



Static Characteristics

