

## 60W1 Series

60W single output  
with constant voltage circuit

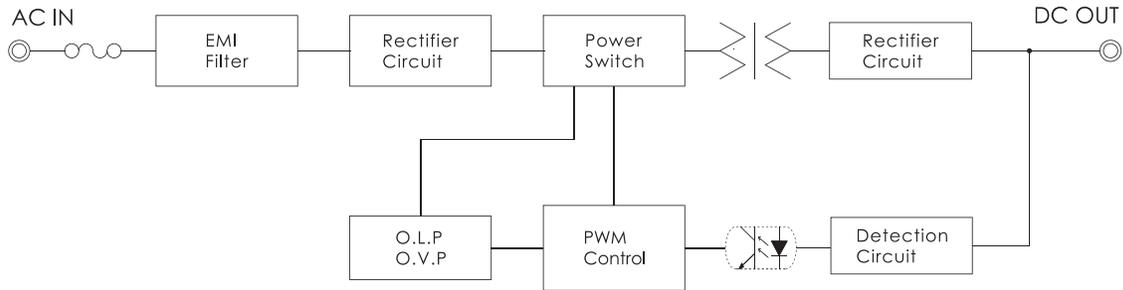


- **Constant voltage design(C.V. mode)**
- **AC Input voltage 90 - 132V**
- **Protections:**  
Overload/Over voltage /Short circuit/  
Over temperature
- **IP68 design for outdoor installations**
- **100% full load burn-in test**
- **Suitable for LED lighting and moving sign applications**
- **Plastic Case**
- **Class 2 power unit**
- **Safety standards : UL879**
- **EMC standards : FCC Part 15 classB**
- **2years warranty**

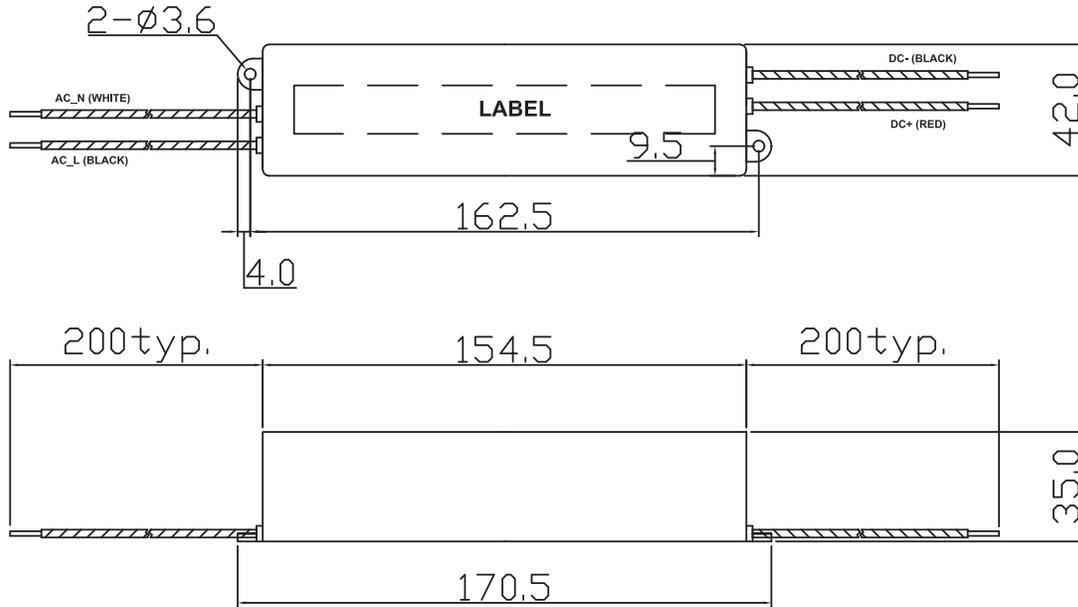
**IP68**     **SELV LPS**  **US**

ITEM		IOP60S12W1
INPUT	VOLTAGE RANGE	AC90~132V
	FREQUENCY RANGE	47~63Hz
	EFFICIENCY(typ.)	80%
	AC CURRENT(typ.)	1A/100VAC
	INRUSH CURRENT(typ.)	COLD START 30A/100VAC
	LEAKAGE CURRENT	—
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	5A(3.75A@50°C)
	RATED POWER	60W
	RIPPLE&NOISE(max.) Note2	170mVp-p
	VOLTAGE ADJ. RANGE	±5%
	VOLTAGE TOLERANCE Note3	±3%
	LINE REGULATION Note4	±1%
	LOAD REGULATION Note5	±2%
	SETUP,RISE TIME(max.)	3000ms,100ms/100VAC at full load
HOLD UP TIME(typ.)	10ms/100VAC at full load	
PROTEC-TION	SHORT CIRCUIT	Hiccup mode ; recovers automatically after fault condition is removed
	OVERLOAD	Over 110% of rating ; recovers automatically after fault condition is removed
	OVER VOLTAGE	115~140% of rating
ISOLA-TION	WITHSTAND VOLTAGE	I/P-O/P:AC3KV
	ISOLATION RESISTANCE	I/P-O/P:DC500V 100Mohms(At room temp. & humid.)
ENVIRON-MENT	WORKING TEMP.&HUMID.	-40~+50°C (Refer to "DERATING CURVE"),20~95%RH
	STORAGE TEMP.&HUMID.	-40~+75°C,10~95%RH
	VIBRATION	10~500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
OTHERS	DIMENSION/WEIGHT	170.5*42*35mm(L*W*H)/0.35kg
NOTE	<p>1. All parameters not specially mentioned are measured at 220vac input, rated load and 25°C of ambient temperature.</p> <p>2. ripple &amp; noise are measured at 20MHZ of bandwidth by using a 12" twisted pare-wire terminated with 0.1 uF &amp; 47uF parallel capacitor.</p> <p>3. tolerance : includes set up tolrance, line regulation and load regulation.</p> <p>4. Line regulation is measured from low line to high line at rated load.</p> <p>5. Load regulation is measured from low 0% to 100% rated load.</p>	

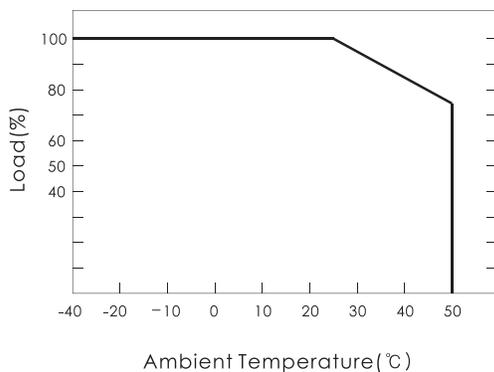
■ BLOCK DIAGRAM



■ DIMENSIONS(unit:mm)



■ DERATING CURVE



■ STATIC CHARACTERISTICS

