## Features:
- Constant Voltage Design
- Universal AC input/ Full Range
- Built-in Active PFC function, PF 0.99 Typical
- High Efficiency (Up to 93%)
- Output Protections: OLP/OVP/SCP/OTP
- Lightning Protection
- Waterproof (IP67)
- 5 Year Warranty

### Output Characteristics

<table>
<thead>
<tr>
<th>Model</th>
<th>DC Output</th>
<th>Rated Current</th>
<th>Current Range</th>
<th>Ripple and Noise (max)</th>
<th>Voltage Accuracy</th>
<th>Line Regulation</th>
<th>Load Regulation</th>
<th>Rise Time</th>
<th>Hold-up Time (Typ.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLV-075S036</td>
<td>36V</td>
<td>2.08A</td>
<td>0~2.08A</td>
<td>±2% Vo</td>
<td>±2% Vo</td>
<td>±1% Vo</td>
<td>±2% Vo</td>
<td>20mS Max</td>
<td>10mS Min @ Rated Load</td>
</tr>
<tr>
<td>PLV-075S042</td>
<td>42V</td>
<td>1.78A</td>
<td>0~1.78A</td>
<td></td>
<td>±2% Vo</td>
<td>±1% Vo</td>
<td></td>
<td>20mS Min @ Rated Load</td>
<td></td>
</tr>
<tr>
<td>PLV-075S048</td>
<td>48V</td>
<td>1.56A</td>
<td>0~1.56A</td>
<td></td>
<td>±2% Vo</td>
<td>±1% Vo</td>
<td></td>
<td>20mS Min @ Rated Load</td>
<td></td>
</tr>
<tr>
<td>PLV-075S054</td>
<td>54V</td>
<td>1.38A</td>
<td>0~1.38A</td>
<td></td>
<td>±2% Vo</td>
<td>±1% Vo</td>
<td></td>
<td>20mS Min @ Rated Load</td>
<td></td>
</tr>
<tr>
<td>PLV-075S081</td>
<td>81V</td>
<td>0.92A</td>
<td>0~0.92A</td>
<td></td>
<td>±2% Vo</td>
<td>±1% Vo</td>
<td></td>
<td>20mS Min @ Rated Load</td>
<td></td>
</tr>
<tr>
<td>PLV-075S105</td>
<td>105V</td>
<td>0.71A</td>
<td>0~0.71A</td>
<td></td>
<td>±2% Vo</td>
<td>±1% Vo</td>
<td></td>
<td>20mS Min @ Rated Load</td>
<td></td>
</tr>
</tbody>
</table>

### Input Characteristics

<table>
<thead>
<tr>
<th>Voltage Range</th>
<th>Frequency Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>90VAC-305VAC</td>
<td>47Hz-63Hz</td>
</tr>
</tbody>
</table>

### Protection

- Over Temperature (OTP): 110°C (Temperature of internal components); shut down, auto recover after the temperature decreases
- Over Voltage (OVP): 1.15Vo
- Short Circuit (SCP): Long-term mode, auto recovery

### Environmental Characteristics

- Operating Temperature: -35°C~70°C
- Operating Relative Humidity: 10% RH to 100% RH
- Storage Temperature: -40°C~85°C, 5% to 100% RH non-condensing
- Vibration: 10 to 300Hz sweep at constant acceleration of 1.0G (Breadth: 3.5mm) for 1 Hour for each of the perpendicular axes X, Y, Z
- Waterproof Rating: IP67
- Safety Standards: UL8750, Compliance to UL1012 UL935, IEC61347
- Withstand Voltage: L/N-GND: 4kV, L-N: 2kV
- Isolation Resistance: I/P-O/P: >1000 Ohms / 500VDC / 25°C / 70% RH
- EMC Emission: Compliance to EN55022(CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3
- EMC Immunity: Compliance to EN61000-3-2, 3 FN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547

### Characteristics

- Life Time: More than 50,000Hrs (25°C, 80% Load)
- MTBF (MIL-HDBK-217F): More than 475,000Hrs (25°C, 80% Load)
- Dimension (LxWxH): 210.5x67.5x37mm

### Note
1. Ripple & Noise: Measured by 20 MHz bandwidth oscilloscope and the output paralleled with a 0.1 uF ceramic capacitor and a 10 uF electrolytic capacitor.
2. Latch Mode: The power supply shall return to normal operation only after the power is turned on again
MECHANICAL SPECIFICATIONS

UNIT: mm

Derating Curve

Ambient Temperature vs. Load