## PCV60/100/150W Series 60W-150W Constant Voltage Power Supplies





## **Features**

- Captive terminal screws for ease
- Snap lock cable strain relief
- LED Indicator for power on
- Low Inrush current
- Over load, short circuit and thermal protection
- Class II product
- Safe no load operation
- Suitable for indoor lighting applications
- Superior latch off protection
- Energy Efficient and Energy compliant
- Industry leading power factor levels



## **Specification**

| Voltage                | 100V ~ 240VAC   |  |   |  |  |  |
|------------------------|---|--|---|--|--|--|
| Inrush Current         | ≤20A/230VAC, at cold start, maximum load.   |  |   |  |  |  |
| Frequency              | 47 ~ 63 Hz  |  |   |  |  |  |
| Power Factor           | >0.95/90% load, 230VAC >0.91/50% load, 230VAC   |  |   |  |  |  |
| Base Model No.         | PCV1260-REVC  | PCV2460-REVC   | PCV12100-REVC   | PCV24100-REVC  | PCV12150-REVC  | PCV24150-REVC  |
| Voltage                | 12V   | 24V  | 12V   | 24V  | 12V  | 24V  |
| Current                | 5A  | 2.5A   | 8.33A   | 4.16A  | 12.5A  | 6.25A  |
| Power                  | 60W   | 60W  | 100W  | 100W   | 150W   | 150W   |
| R&N                    | 240mV   | 360mV  | 240mV   | 360mV  | 240mV  | 360mV  |
| Line Regulation        | ±1.0%   | ±1.0%  | ±1.0%   | ±1.0%  | ±1.0%  | ±1.0%  |
| <b>Load Regulation</b> | ±5% excursion from 50%~100% load and back to 50% load change of DC output at any frequency up to 1KHz (duty 50%)  |  |   |  |  |  |
| Efficiency (TYP.)      | TYP.) >84% @ 90% load & 230VAC  |  |   |  |  |  |
| Over Voltage           | 175%, output will shut down and latch off. Turn unit off/on to restart  |  |   |  |  |  |
| Over Current           | 110~150%, output will shut down and latch off. Turn unit off/on to restart  |  |   |  |  |  |
| Short Circuit          | Should a short circuit occur the output will shut down and latch off. Turn unit off and on to restart   |  |   |  |  |  |
| Over Temperature       | Thermal, output will shut down and latch off. Turn unit off and on to restart   |  |   |  |  |  |
| Temperature            | Operating: 0~+40°C; Storage: -20~+85°C  |  |   |  |  |  |
| Safety Standard        | EN61347-2-13, EN61347-1, IEC61347-1, IEC61347-2-13 Approved   |  |   |  |  |  |
| EMI Standard           | Meets Emissions to EN55015, EN61547, EN61000-3-2, EN61000-3-3   |  |   |  |  |  |
| Lifetime               | 30K hrs full load 25°C  |  |   |  |  |  |
| Case                   | 8030A 8918JP  |  |   |  |  |  |
|                        | Voltage Inrush Current Frequency Power Factor Base Model No. Voltage Current Power R&N Line Regulation Load Regulation Efficiency (TYP.) Over Voltage Over Current Short Circuit Over Temperature Temperature Safety Standard EMI Standard Lifetime | Voltage 100V ~ 240VAC Inrush Current ≤20A/230VAC, a Frequency 47 ~ 63 Hz Power Factor >0.95/90% load Base Model No. PCV1260-REVC  Voltage 12V Current 5A Power 60W R&N 240mV Line Regulation ±1.0% Load Regulation ±5% excursion fr Efficiency (TYP.) >84% @ 90% load Over Voltage 175%, output wi Over Current 110~150%, outp Short Circuit Should a short circuit Over Temperature Thermal, output Temperature Operating: 0~+4€ Safety Standard EN61347-2-13, EN EMI Standard Meets Emissions Lifetime 30K hrs full load | Voltage         100V ~ 240VAC           Inrush Current         ≤20A/230VAC, at cold start, maxim           Frequency         47 ~ 63 Hz           Power Factor         >0.95/90% load, 230VAC         >0.91/5           Base Model No.         PCV1260-REVC         PCV2460-REVC           Voltage         12V         24V           Current         5A         2.5A           Power         60W         60W           R&N         240mV         360mV           Line Regulation         ±1.0%         ±1.0%           Load Regulation         ±5% excursion from 50%~100% load           Efficiency (TYP.)         >84% @ 90% load & 230VAC           Over Voltage         175%, output will shut down and la           Over Current         110~150%, output will shut down and la           Short Circuit         Should a short circuit occur the outp           Over Temperature         Thermal, output will shut down and la           Temperature         Operating: 0~+40°C; Storage: -20~+           Safety Standard         EN61347-2-13, EN61347-1, IEC61347           EMI Standard         Meets Emissions to EN55015, EN615           Lifetime         30K hrs full load 25°C | Voltage         100V ~ 240VAC           Inrush Current         ≤20A/230VAC, at cold start, maximum load.           Frequency         47 ~ 63 Hz           Power Factor         >0.95/90% load, 230VAC >0.91/50% load, 230VAC           Base Model No.         PCV1260-REVC PCV2460-REVC PCV12100-REVC           Voltage         12V 24V 12V           Current         5A 2.5A 8.33A           Power         60W 60W 100W           R&N         240mV 360mV 240mV           Line Regulation         ±1.0% ±1.0% ±1.0% ±1.0%           Load Regulation         ±5% excursion from 50%~100% load and back to 50% load Regulation           Efficiency (TYP.)         >84% @ 90% load & 230VAC           Over Voltage         175%, output will shut down and latch off. Turn unit off/Over Current           Short Circuit         Should a short circuit occur the output will shut down and latch off. Turn unit of Thermal, output will shut down and latch off. Turn unit of Thermal, output will shut down and latch off. Turn unit of Thermal, output will shut down and latch off. Turn unit of Thermal, output will shut down and latch off. Turn unit of Thermal, output will shut down and latch off. Turn unit of Safety Standard           EMI Standard         EN61347-2-13, EN61347-1, IEC61347-1, IEC61347-2-13 Ap           EMI Standard         Meets Emissions to EN55015, EN61547, EN61000-3-2, EN | Voltage100V ~ 240VACInrush Current≤20A/230VAC, at cold start, maximum load.Frequency47 ~ 63 HzPower Factor>0.95/90% load, 230VAC>0.91/50% load, 230VACBase Model No.PCV1260-REVCPCV2460-REVCPCV12100-REVCPCV24100-REVCVoltage12V24V12V24VCurrent5A2.5A8.33A4.16APower60W60W100W100WR&N240mV360mV240mV360mVLine Regulation±1.0%±1.0%±1.0%±1.0%Load Regulation±5% excursion from 50%~100% load and back to 50% load change of DC outsEfficiency (TYP.)>84% @ 90% load & 230VACOver Voltage175%, output will shut down and latch off. Turn unit off/on to restartOver Current110~150%, output will shut down and latch off. Turn unit off/on to restartShort CircuitShould a short circuit occur the output will shut down and latch off. 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Frequency         47 ~ 63 Hz           Power Factor         >0.95/90% load, 230VAC >0.91/50% load, 230VAC           Base Model No.         PCV1260-REVC         PCV2460-REVC         PCV21100-REVC         PCV24100-REVC         PCV12150-REVC           Voltage         12V         24V         12V         24V         12V           Current         5A         2.5A         8.33A         4.16A         12.5A           Power         60W         60W         100W         100W         150W           R&N         240mV         360mV         240mV         360mV         240mV           Line Regulation         ±1.0%         ±1.0%         ±1.0%         ±1.0%         ±1.0%           Load Regulation         ±5% excursion from 50%~100% load and back to 50% load change of DC output at any frequency to the country of the |

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