

Outdoor UPS

DC Outputs | Wide Temperature Batteries | Wide AC Input Voltage

| UPS Model |
|----------------|
| 8009A |
| 60 W |
| 12 VDC |
| 5.22 A |
| Backup: 69 min |
| 8009A |
| 100 W |
| 24 VDC |
| 4.26 A |
| Backup: 43 min |
| 8009A |
| 150 W |
| 12 VDC |
| 13.04 A |
| Backup: 24 min |
| 8009A |
| 150 W |
| 24 VDC |
| 5.22 A |
| Backup: 24 min |

Outdoor DC Output UPS

TSi Power's Outdoor-DC-UPS 8009 with DC output are for DC-powered applications needing backup power in extreme weather conditions. The Outdoor DC-UPS-8009 incorporates wide temperature AGM batteries and is housed in a weather-protected enclosure tested to UL 50E. It provides a wide input voltage range (100-140 V), heavy duty surge protection and noise filtering.



Front ISO view with cover removed and right side cable entry ports

Typical DC UPS applications

This heavy duty outdoor UPS system is designed for perimeter surveillance cameras (CCTV), wireless access points and industrial remote terminal units (RTUs).

How the DC UPS Works

The outdoor DC UPS provides a well-regulated DC output and uses a three-stage, temperature compensated battery charger for optimal battery life.

Features and Benefits

- Cabinet can be pole, or wall mounted for increased mounting flexibility.
- The all-weather NEMA 3R design steel cabinet is UL 50E tested for durability and assures long service life.
- Conformal coating on all circuit boards protects against moisture.
- Wide temperature AGM batteries ensure optimum performance and long service life.
- Temperature-compensated three-stage charger improves reliability and performance.
- Heavy-duty surge protection and noise filtering assures quality output.
- Wide AC input voltage window lengthens battery life.
- Two-year limited warranty backs-up workmanship and product performance.



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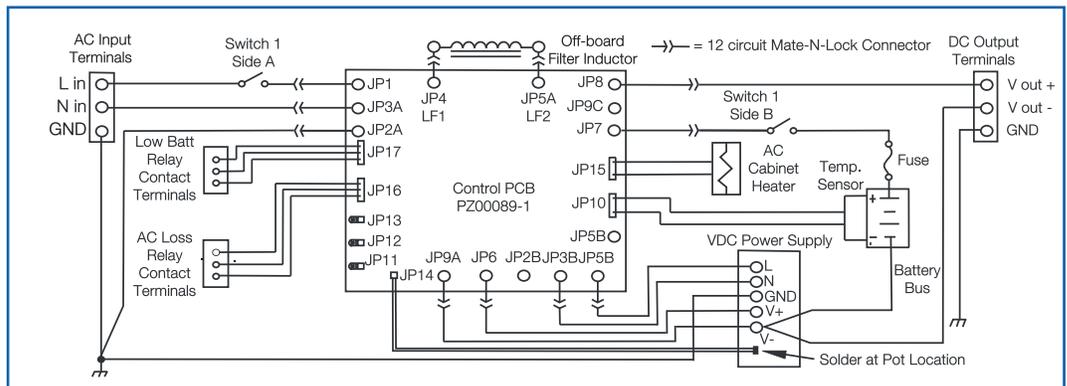
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| SPECIFICATION | 8009A | 8009B | 8009C | 8009D |
|-------------------------|--|------------------|---------------|---------------|
| UPS topology | AC to DC rectifier, battery charger valve regulated AGM batteries | | | |
| INPUT | | | | |
| Nominal voltage | 120 V | | | |
| Operating voltage | 100 - 140 V | | | |
| Input current | 3.5 A | 4.5 A | 6.0 A | 6.0A |
| Operating frequency | 57 - 63 Hz | | | |
| AC connections | Holes for 1/2" conduit connectors, Euro style wiring terminals for AWG 16 | | | |
| OUTPUT | | | | |
| Nominal voltage | 12 VDC, 60 W | 24 VDC, 100 W | 12 VDC, 150 W | 24 VDC, 150 W |
| Operating voltage | 10 - 14 VDC | 20 - 28 VDC | 10 - 14 VDC | 10 - 28 VDC |
| Output current | 5.22 A | 4.26 A | 13.04 A | 5.22 A |
| Efficiency: Line/Backup | 84/96 % | 84/98 % | 84/95.5 % | 84/98 % |
| Power on/off switch | On / off rocker style power switch | | | |
| Transfer time to backup | 0 ms | | | |
| DC connections | Holes for 1/2" conduit connectors, Euro style wiring terminals for AWG 12 | | | |
| BATTERY | | | | |
| Battery Type: AGM | 12 VDC, 12 Ah | 12 VDC, 7 Ah x 2 | | |
| Recharge time to 90 % | 4 hrs | 14 hrs | 4 hrs | 10 hrs |
| Battery backup time | 69 min | 43 min | 24 min | 24 min |
| PHYSICAL | | | | |
| Dimensions | 12.5" (318 mm) wide x 12" (305 mm) high x 6.5" (165 mm) deep | | | |
| Steel cabinet | All weather NEMA 3 R design, UL 50 E rain tested, pad lockable enclosure | | | |
| Weight lbs/kg | 30 / 13.6 | 32 / 14.5 | | |
| Mounting option | Wall or optional PM1 braket for pole (mounting bands not included). | | | |
| SAFETY | | | | |
| CETLus | ANSI/UL 60950-1 CAN/CSA C22.2: No. 60950-1-07 Clause; ANSI/UL 1778 CAN/CSA C22.2: No. 107.3-05 Clause; ANSI/UL 50E CAN/CSA C22.2: No. 94-2-07 Clause | | | |
| ENVIRONMENTAL | | | | |
| Operating temperature | -15 to +50 deg C (5 to +122 deg F) ambient air temperature. -40 to +50 deg C (-40 to +122 deg F) with BH5 optional battery heater. | | | |
| WARRANTY | | | | |
| Warranty | Two-year limited warranty, parts and labor. Manufacturer warranty on batteries. | | | |

Tsi Power's ongoing product improvement process makes specifications subject to change. Other companies product names herein are for identification purposes only and may be trademarks of their respective companies.

DC UPS system wiring diagram



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