



## UPS Preventive Maintenance Scope of Work

During the preventive maintenance inspection, the following areas will be inspected and corrective action will be made accordingly.

- All work to be completed by MGE factory trained authorized technicians.
- UPS technicians to provide input on any system or environmental improvements needed & supported by MGE UPS Systems.
- Safety equipment available (if needed).
- Record all readings and conditions of UPS Systems and surrounding environment.
- Verify availability of relevant documentation on site.
- Verify operation of emergency power off circuits.
- Visual inspection of power and control wiring.
- Mechanical inspection of power and control wiring.
- Verify torque of all electrical connections.
- Verify and advise customer of any applicable MGE UPS Systems engineering changes or field modifications.
- Clean interior and exterior of unit of any debris and dust.
- Verify control power supply voltage levels.
- Verify personalization and calibration per of all UPS programmable parameters.
- Verify operation of the rectifier/battery charger, its protective circuits and alarms.
- Verify charger voltage levels as applicable (i.e., float, charge and equalize).
- Verify operation of the inverter, its protective circuits and alarms.
- Verify inverter output voltages.
- Verify the UPS mode of operations: on-line mode, bypass mode, battery operation mode, etc.
- Calibrate the display panel per MGE UPS Systems factory recommendations.
- Verify the LCD display calibration.
- Verify operation of applicable options.
- Supplier shall be responsible for scheduling all UPS PM work during contract period.