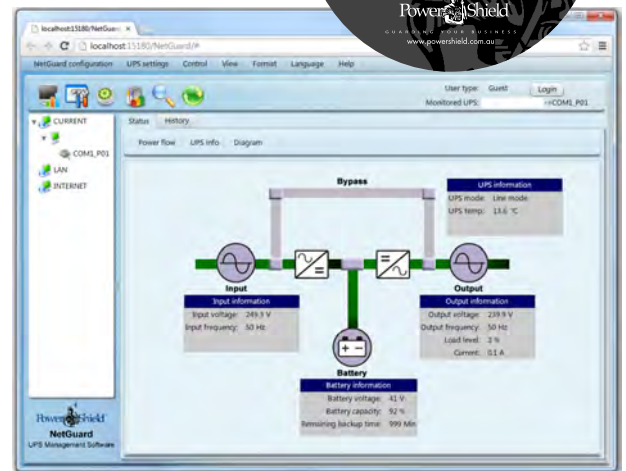
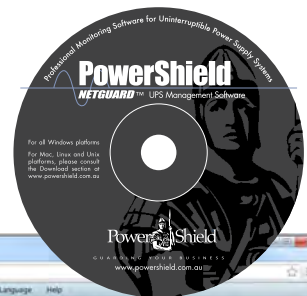


PowerShield®



While PowerShield UPSs do their job of holding up critical electronic equipment, behind the scenes PowerShield proprietary software and management cards are there to record critical power events so that managers can be aware and informed of problems in real time.

The software solutions allow for automatic graceful shutdown of programs and devices if power outages last longer than their nominated time, while SNMP cards allow for remote monitoring of a UPS from anywhere with internet access.



Power Shield Software

NetGuard®

NetGuard® is a sophisticated UPS management software application which is perfect for the SOHO user, right up to larger enterprises. NetGuard® can monitor and manage one or many UPS in a networked environment, either via LAN or INTERNET. NetGuard® can not only prevent data loss from power outages by safely shutting down computer systems, but it also stores programming data and can perform scheduled shutdowns of UPS. NetGuard® includes the NetGuard® service, NetGuard® GUI and NetGuard® icon. NetGuard® service is the core of the NetGuard® software. This is a system program that runs as a background task. This will communicate with the UPS, record events, notify users with UPS alarms, and execute commands according to the user's parameters. NetGuard® is managed with a standard web browser, Internet Explorer, Firefox or similar. Administrators can monitor UPS for real-time status information or modify UPS parameters to suit the user needs. Supported operating systems are; Windows, Linux, Mac and more. PowerShield UPS models that include the NetGuard® software are; CompuGuard®, SafeGuard, Defender, Centurion, Centurion RT and Commander RT.

Power Shield Management Cards

PSSNMP - SNMP/Relay (AS400) Communications

When UPS communications beyond the included RS232/USB are required, network or relay communications are available as optional PSSNMP add-on cards. The SNMP – Simple Network Management Protocol card allows the UPS to be directly connected to the network without the need of a local computer or server. With the included software, UPS information and alarms can be received by any computer that can be reached via an IP connection. This will provide a complete dialogue of UPS status and health. When a power event occurs, informational alarms can be broadcast to nominated computers. As this dialogue is comprised of a compliant SNMP transport, any SNMP trap collection software can log the UPS events. Extending the SNMP card to detect remote temperature and humidity via external sensors are available for some SNMP card models.



PSSNMP DT801

PSAS400

The Relay (AS400) card provides VFC – (Volt Free Contact) relays that change state upon UPS events. This type of card is often used when current loop communications are required for devices such as, BMS – Building Management Systems, Access Control Alarm Panels or Industrial PLCs. The events that can be detected are, Mains Failure & Restore, Battery Normal or Low, UPS Normal or Bypass, UPS Summary Alarm.



PSAS400

PSModbus

The PowerShield Modbus card facilitates UPS communication with industrial and building management systems using Modbus RTU Protocol. PSModbus card provides real time monitoring and control of multiple UPSs or inverters via the RS485 communications port.



PSModbus

PSEMD- Netfeeler

The PowerShield Environmental Monitoring Device (PSEMD) is suited for monitoring ambient temperature, humidity and water ingress. Optional dry contact relay inputs are available upon request. Email alerts and or system shutdown can be initiated if the user defined thresholds are exceeded.



PSEMD- Netfeeler