



## PRODUCT GUIDE



# CHOOSE YOUR UPS

We've Made It Simple. **3 Shields to Address All Power Issues.**

Power Shield offer a complete selection of power management and power protection solutions. From home computers to critical systems in high-availability environments, we have meticulously developed our products to provide better value and to suit the power needs of Australia and the Pacific region.



Our Application Shield System will allow you to quickly determine the best UPS for your application. From large enterprise, industry, telecommunications and security applications to standalone servers, workstations, VoIP, modems/routers and electric gates, PowerShield has a UPS to suit your needs.



All PowerShield UPSs are designed to address the major causes of power issues in our environment. Our wide range of solutions are designed to **Protect, Backup & Connect** equipment using either Standby, AVR/Line Interactive or True Online Double Conversion protection for critical applications.

	Basic Protection	Enhanced Protection for Standard Equipment ✓	Premium Protection for Critical Equipment ✓
UPS Type	Standby	AVR / Line Interactive	True Online Double Conversion
PowerShield Solutions	Ninja Slimline UPS	SafeGuard, Defender & Commander Range	Centurion & Platinum Ranges
Problems Addressed	Power Failure, Sags, Surges	Power Failure, Sags, Surges <b>+ Brownouts &amp; Spikes</b>	Power Failure, Sags, Surges, Brownouts, Spikes <b>+ Line Noise, Frequency Drift, Switching Transient &amp; Harmonic Distortions</b>
Backup Duration	Short	Short to Medium	Long
Voltage Regulation	On Battery Only	Limited	Permanent
Line Filtering (surges)	Limited	Limited	Permanent
Frequency Regulation	No	No	Yes
Typical Usage	Small Office	Entry Level Enterprise	Harsh Environment
Protection	Limited	Medium	High

## Need help choosing a UPS?

Our online UPS Selection Tool can help you determine the best UPS for your application.



SELECTION TOOL



## Line Interactive Modified Sine Wave SAFEGUARD UPS 750VA | 1000VA



The **PowerShield SafeGuard UPS** is a popular UPS choice as it provides automatic voltage regulation (AVR), surge protection and high reliability in a compact package. Available now in 750VA and 1000VA models the surge ratings on these versatile UPSs are as robust as most surge boards.

- Best in its class surge protection
- Light-weight, compact and elegantly designed
- HID Communication via USB
- NetGuard® software communication via USB
- User replaceable battery
- Wall mountable
- Fast charging
- Automatic Voltage Regulation (AVR)
- SafeGuard 1000 features USB charging port



For Your  
Small  
Office

## DEFENDER 650VA | 800VA | 1200VA | 1600VA | 2000VA



The **Defender Range** uses Automatic Voltage Regulation (AVR) to minimise the effects of fluctuations in input voltage, protecting valuable equipment from power line disturbances.

- Best in its class surge protection
- HID Communication via USB
- NetGuard® software communication via USB
- Buck and Boost AVR for Voltage Stabilization
- User replaceable hot swappable batteries
- Off-mode charging
- Cold start function
- Silent operation – no fans.



For Your  
Work  
Station

Perfect  
For  
Gaming

The **Defender Rackmount** expands the successful Defender Range by building the popular features into a Rack Mount UPS. At 230mm deep, this is the perfect UPS for shallow, wall mounted Comms cabinets.



Perfect for  
COMMS  
Cabinets

## Line Interactive Pure Sine Wave COMMANDER UPS RANGE

### COMMANDER TOWER 1100VA | 2000VA



The **Commander Tower UPS** is a sophisticated Line Interactive, Pure Sine Wave UPS. With improved communication options, intuitive user friendly mimic LCD display and ECO mode that uses less power for more energy savings, this UPS is perfect for workstations, gaming and motor applications.

- Pure Sine Wave Output
- Output power factor 0.9
- Programmable power management
- HID Communication via USB
- NetGuard® software communication via USB
- Smart AVR with buck and boost
- Ultra modern informative mimic LCD
- Intelligent slot - SNMP, AS400 and ModBus
- 3 stage advanced charge system for increased battery longevity



For  
Security  
& Motor  
Applications

Perfect For  
Gaming

### COMMANDER RT 1100VA | 2000VA | 3000VA



For  
COMMS  
Racks

The Line Interactive, Pure SineWave **Commander Rackmount/ Tower UPS** offers power protection for applications such as networking, telecom, security and motors. To provide longer backup time the 2kVA and 3kVA models are expandable to include an additional battery bank.

- Best in its class surge protection
- Rack/Tower design
- Built-in buck and boost AVR
- Output power factor 0.8
- HID Communication via USB
- NetGuard® software communication via USB
- Programmable power management outlets (Aus & IEC)
- Advanced ECO operation mode
- EPO Emergency Power Off Function
- User replaceable hot swappable batteries
- SNMP, AS400, ModBus, Comms cards available



## GLADIATOR UPS



A stylish UPS that compliments even the most sophisticated of setups. Plug in valuable office or gaming equipment and the Gladiator will ensure that the power is always smooth with no glitches that can cause random shutdowns.

- View real-time Windows CPU temperature, speed and load level on dockable LCD panel (with 2 hours operating time undocked)
- Pure sine wave output
- Built-in AVR for voltage stabilisation
- Two x USB charger ports for mobile devices (USB-A and USB-C)
- Battery backup and surge protected outlets
- User replacable battery design
- Built-in USB communication port



## True Online Double Conversion CENTURION UPS RANGE



CENTURION 1000VA | 2000VA | 3000VA | 6000VA | 10000VA



Best  
PowerShield  
Protection



The **Centurion** is a True Online Double Conversion UPS designed to provide comprehensive protection for critical equipment. Versatile management and hardware options offer the flexibility to build up a power protection solution to fit any application. This range comes with two sets of sockets on the back with one row of output sockets being programmable, meaning that you can shed less important loads. This will leave additional valuable back up time to the equipment that is most critical. This UPS includes a stylish, informative LCD display.

CENTURION RT 1000VA | 2000VA | 3000VA | 6000VA | 10000VA



The **Centurion RT** features True Online Double Conversion. As our highest single phase power density UPS, this sophisticated range will provide the most comprehensive protection for mission critical devices such as sensitive networks, computers, servers, telecom applications, as well as industrial applications.

Developed by PowerShield engineers to address absolutely all requirements and features as has been demanded by the sophisticated Australian power consumer, the Centurion RT stands in a class of its own, as a world leading UPS technology.

### Standard Extra Large Charger

The Centurion RT has been designed with a larger charger than other UPSs, ensuring rapid recharge times when adding additional battery banks.



Most  
Comprehensive  
Protection

Simply Add Additional Battery  
Banks to Increase Backup Time

CENTURION RT LiFePO4 1000VA | 2000VA | 3000VA

The **Centurion RT LiFePO4 UPS** features all of the outstanding specifications of the Centurion RT but with the added benefit of Lithium-Iron-Phosphate batteries.

The advanced LiFePO4 battery management system ensures the utmost efficiency during charging and discharging of the battery system offering higher power density and longer runtimes. The LiFePO4's batteries are up to one third lighter making installation and battery changes easier to carry out with up to 3 times faster recharge rate.

With safety as our absolute priority PowerShield engineers chose LiFePO4 batteries. The chemical composition of these batteries ensures that these are non-flammable and as such will not catch fire when exposed to electrical and mechanical stresses.



## True Online Double Conversion THREE PHASE RANGE



CENTURION 3/1 10-20kVA  
CENTURION 3/3 10-30kVA



For  
Comprehensive  
Protection



The **Centurion 3/1 and 3/3 UPS Series** provide powerful and overall protection to your sensitive devices accepting a wide input voltage range for harsh environments. These small footprint, high power density, double-conversion online UPSs have an output power factor of 0.9. They also include Digital Signal Processing (DSP) technology and active input power factor correction design ensuring a stable, superior output power quality.

PLATINUM MODULAR 20-240kW | (20kW or 30kW modules)



For  
Server  
Rooms



The **Platinum Modular** features high efficiency online double conversion technology. Its modular design ensures ultra high reliability.

The Platinum Modular has an output power factor of 1, adjustable battery numbers and an adjustable charging current. A built-in maintenance bypass switch allows for easy maintenance without interruption to operations while the graphic 5.7" LCD design provides easy configuration of this 3-phase in/3-phase out premium UPS.

## DC SERIES



DC Mini-36  
12, 15, 19, 24 Vdc

Perfect  
For  
Modems

DC Mini Plugpack

12 Vdc



Designed to meet all of the known power problems that DC equipment faces, the **DC Mini Plugpack UPS** and the **DC Mini-36** (DC-DC Inline) UPS are both designed to provide compact emergency power backup to all kinds of DC powered equipment and can economically provide hours of operation during power failure with Li-Ion battery backup.

**PowerShield's DC Pilot UPS** provides emergency backup power for 24 Volt DC Equipment. Chosen by Telstra to support their Satellite Base Band Unit (BBU) this compact UPS was designed to meet the toughest conditions.

These fanless, compact UPSs feature built in replaceable batteries, Plug and Play DC Battery Backup, Multi-colour indicators, Embedded Micro-controllers, Manual power off switch ports, Overload, short-circuit, over-charge & over-discharge protection.



DC Pilot  
24 Vdc



## Standard Basic Protection

### NINJA SLIMLINE UPS 600VA



With its ultra-thin design the **Ninja Slimline UPS** is designed for environments where space is limited and perfect for use in protecting equipment such as electrical boards, irrigation and reticulation panels, switchboards, intelligent homes, lightboards, menuboards and anywhere else that requires a compact power solution. Features include:

- Long life battery
- Silent operation
- Auto restart when AC recovers
- High efficiency
- Mounting brackets
- 5-YEAR WARRANTY



Ultra-Thin  
Design



## SURGE PROTECTION AND FILTERS

### ZAPGUARD® PSZ5U2 PSZ8U2



**ZapGuard® Surge Boards** will protect your home and office electronics from dangerous surges and spikes and are ideal for charging mobiles, laptops and other small USB powered devices.

Highly rated to withstand power surges and spikes of up to 1,400 Joules / 40,000 Amps (PSZ5U2) and 2,100 Joules / 60,000 Amps (PSZ8U2) the wall mountable ZapGuards feature a recessed On/Off switch and wide spaced socket to allow for plug packs.

MASSIVE  
Surge & Spike  
Protection



### ZAPGUARD® PRO

Designed to provide a high degree of secondary protection to critical circuits in harsh environments, the **PowerShield ZapGuard® Pro** filter range is available for pluggable as well as hard wired installations. These devices are particularly suitable for use with UPS systems, servers and specialised industrial sites.

#### Portable Series 10A | 16A



#### Panel Mount Series Single Phase 32A | 40A



#### Wall Mount Three Phase 63A



## ACCESSORIES

### MAINTENANCE BYPASS SWITCHES

The **PowerShield Range of Maintenance Bypass Switches (MBS)** are suitable for all UPS applications. A correctly designed MBS enables a technician to perform maintenance on a UPS at any time, without interruption to normal business operations with no need to shut down your critical electrical load. We have a range of Rack Mount, Wall Mount and Hot Swappable MBSs with Optional PDUs.



### POWER DISTRIBUTION UNITS

PowerShield offer a comprehensive range of both Smart Managed and simple Unmanaged **Power Distribution Units (PDUs)**.

**Unmanaged PDUs** provide for distribution to multiple AC power outlets. This range also includes surge protected PDUs.



**Smart Managed PDUs** provide for distribution of power to multiple AC power outlets. With a built in SNMP network card, the operator can remotely control the power to each individual power outlet. In addition, the Managed PDU will provide various options for monitoring the power and provide the necessary warning alarm. The **PowerShield Navigator Managed PDU** is an internet ready PDU designed to allow administrators to remotely and individually control the AC power for up to eight connected devices such as servers, routers, modems and telephone networks.

### POWERSHIELD UPS NETWORK MANAGEMENT CARDS

Network or relay communications options are available when remote or networking UPS communications are required.

The **Simple Network Management Protocol Card (PSSNMP)** allows the UPS to be directly connected to the network without the need of a local computer. Furthermore, it contains an integrated web server CPU allowing the user to view and control the UPS with any standard internet browser.

The **Relay Card (PSAS400)** provides 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 Building Management Systems, Access Control Alarm Panels or Industrial PLCs.

The **Modbus Card (PSModBus)** facilitates UPS communication with industrial and building management systems using the Modbus RTU Protocol. It provides real time monitoring and control of multiple UPSs or inverters via the RS485 communications port.

Made in Germany and the USA the **Cyber Secure SNMP Card (PSCSSNMP)** is the most powerful UPS, SNMP and IT Infrastructure solution on the market. It follows the Australian Cyber Security Centre Information Security Manual framework for risk management and cyber threats to protect information and systems from external threats.



### AUTOMATIC TRANSFER SWITCH



The **PowerShield Automatic Transfer Switch (ATS)** is designed with two independent power inlets to supply power to the load from a primary or secondary power source. Should the primary power source fail, the secondary will automatically supply power to the connected equipment seamlessly. After switching to a secondary power source, the ATS can also switch power back to the primary input when power to the primary input is restored.