

# COMMANDER TOWER

1100VA | 2000VA



The PowerShield Commander is a sophisticated pure sine wave, line interactive UPS. Besides providing Automatic Voltage Regulation (AVR) it also provides for a Pure Sine Wave output while in backup mode.

This UPS is a cost effective solution for protecting applications such as networking, telecom, security and motors to name a few.

## FEATURES

### PURE SINE WAVE OUTPUT

The Commander Tower provides a sine wave output, even when the UPS is running off of its batteries.

The pure sine wave offers an economical solution to back up gates, cameras, computers, motors, telephone systems and other sensitive equipment.

### OUTPUT POWER FACTOR 0.9

With an output power factor of 0.9 the Commander Tower is a high-density UPS that will provide higher performance and efficiency to critical applications.

### PROGRAMMABLE POWER MANAGEMENT

Features a combination of both Australian and IEC outlets.

With programmable power management outlets users can easily and independently control load segments. During power failure this feature enables users to extend battery time to mission-critical devices by shutting down non-critical devices in a timely manner.

### MODERN, INFORMATIVE LCD

Designed by Power Shield engineers this modern LCD features extra large numeral displays and an informative mimic allowing users to view up to date information at a glance.

### INBUILT BATTERY MANAGEMENT (HID)

- Plug and play on any computer or NAS drive
- Allows for orderly shutdown without software

### ECO MODE

With built in advanced ECO mode this UPS will achieve an efficiency of up to 98% during normal mains operation. Using this option will allow for reduced ongoing running costs.

### HID COMMUNICATION VIA USB

HID can be used for simple management with Windows, Apple, Linux and NAS devices and a large variety of industrial controllers that support HID.

HID ensures a safe and orderly shutdown in the event of a prolonged power outage.

### NETGUARD SOFTWARE COMMUNICATION VIA USB

The free, downloadable NetGuard software provides complete power monitoring. Parameters such as input/output voltage, battery capacity and load level are easily viewed. It also ensures a safe and orderly shutdown in the event of a prolonged outage

### SMART AVR WITH BUCK AND BOOST

With a built in voltage regulator, the Commander Tower will maintain regulated nominal output without using battery power during brownouts and overvoltages.

### EMERGENCY POWER OFF FUNCTION (EPO)

This feature can turn off and isolate the UPS in the event of fires or other emergencies.

### OPTIONAL ACCESSORIES:

- PSSNMPV4 – SNMP card (option to connect PSEMD)
- PSEMD – Environmental Monitoring Device for temperature and humidity
- PSMdbus – Modbus card
- PSAS400T & PSAS400D – AS400 dry contact card
- PSMBS2k, Maintenance Bypass Switch
- PSCXW – 1 year extended warranty



AUSTRALIAN DESIGNED  
POWER PROTECTION  
SOLUTIONS



Power  
Shield®

REAR VIEW

PSCM2000



PSCM1100



| COMMANDER RANGE SELECTION GUIDE |                          |   |                               |
|---------------------------------|--------------------------|---|-------------------------------|
| MODEL                           |                          | COMMANDER 1100  | COMMANDER 2000                |
| Model Number                    |                          | PSCM1100  | PSCM2000                      |
| Capacity (PF = 0.9)             |                          | 1100VA / 990W   | 2000 VA / 1800 W              |
| INPUT                           |                          |   |                               |
| Nominal Voltage                 |                          | 240VAC  |                               |
| Acceptable Voltage Range        |                          | 162–290 VAC   |                               |
| Frequency Range                 |                          | 50/60Hz ± 5Hz (auto sensing)  |                               |
| OUTPUT                          |                          |   |                               |
| Voltage Regulation (AC Mode)    |                          | 240VAC (Selectable 208/220/230VAC) ± 10% AVR  |                               |
| Voltage Regulation (Batt. Mode) |                          | ± 1.5% (before battery alarm)   |                               |
| Frequency Range (Batt. Mode)    |                          | 50 Hz or 60 Hz ± 1 Hz   |                               |
| Current Crest Ratio             |                          | 3:1   |                               |
| Total Harmonic Distortion       |                          | 2% max @ 100% linear load, 5% max @ 100% non-linear load (before low battery alarm)   |                               |
| Transfer Time                   |                          | 6ms (Typical), 10ms max.  |                               |
| Waveform (Batt. Mode)           |                          | Pure Sine Wave  |                               |
| IEC Outlets                     |                          | 10A, C13 x 3  |                               |
| Australian Sockets              |                          | 2   |                               |
| EFFICIENCY                      |                          |   |                               |
| AC Mode                         |                          | 98% (Advanced ECO design)   |                               |
| Battery Mode                    |                          | 89%   | 91%                           |
| BATTERY                         |                          |   |                               |
| Standard Model                  | Battery Type & Number    | 12V / 9AH (x2)  | 12V / 9AH (x4) 12V / 9AH (x4) |
|                                 | Recharge Time            | 4 hours recover to 90% capacity   |                               |
| PROTECTION                      |                          |   |                               |
| Full Protection                 |                          | Overload, thermal, short circuit, discharge and overcharge protection   |                               |
| Surge Protection                |                          | 1968 Joules / 39000 Amps  |                               |
| ENVIRONMENT                     |                          |   |                               |
| Operation Temperature           |                          | 0–40°C  |                               |
| Relative Humidity               |                          | 0–90% (RH non-condensing)   |                               |
| Noise Level                     |                          | < 45dB  |                               |
| COMMUNICATIONS & MANAGEMENT     |                          |   |                               |
| Interface                       |                          | USB and RS-232 as standard, Intelligent slot for PSSNMP, PSModbus or PSAS400 dry contact  |                               |
| Software                        |                          | PowerShield NetGuard® software - supports Windows based operating system, Linux, Unix and Mac   |                               |
| HID                             |                          | Supports Windows, Apple, Linux, NAS and various industrial controllers  |                               |
| LCD Display/Alarm               |                          | AC mode, Batt. Mode, Load Level, Input Voltage, Output Voltage, Overload, Fault, Battery Replacement, Low Batt., Batt. Time Remaining |                               |
| Audible Alarm                   |                          | Battery Mode, Low Battery (Batt. Mode), Battery Replacement, Fault, Overload  |                               |
| PHYSICAL                        |                          |   |                               |
| Standard Model                  | Dimension L x W x H (mm) | 397 x 145 x 220   | 455 x 145 x 220               |
|                                 | Weight Nett/Gross (kg)   | 12.9 / 14.4   | 20.5 / 22.5                   |
| COMPLIANCE                      |                          |   |                               |
| Safety/EMC                      |                          | EN62040 -1 -1 2003, IEC 60950 -1 -1, EN62040-2 2006   |                               |
| RoHS                            |                          | Directive 2011/65/EU  |                               |

Product specifications are subject to change without further notice