Commander Tower

1100 | 2000 VA

Line Interactive UPS

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.
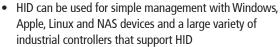
Inbuilt Battery Management (HID)

- 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.

Options

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

DESIGNED BY AUSTRALIANS FOR AUSTRALIAN CONDITIONS

COMMANDER TOWER

MODEL		Commander 1100	Commander 2000
Model Number		PSCM1100	PSCM2000
Capacity (PF = 0.9)		1100 VA / 990 W	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)
	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 D 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		EN62040-1 -1 2003, IEC 60950-1 -1	
EMC		EN62040-2 2006	
RoHS		Directive 2011/65/EU	

* Product specifications are subject to change without further notice.

Rear of Commander Tower

PSCM1100

PSCM2000