

# PowerShield®



With pure sine wave output, the Commander Rackmount Tower guarantees compatibility for all kinds of loads. It's perfect power protection for versatile applications such as networking, telecom and other mission-critical applications.

The ECO mode function allows cost-effective operation of UPS Systems as high as 98%. In this operation mode, load is supplied by the mains. In the event of a mains failure, the inverter takes over the load and provides supply continuity to the connected systems.

To provide longer backup time the 2kVA and 3kVA models are expandable to include an additional battery bank.

Multiple communication available

- USB port
- RS-232 port
- SNMP slot (option)
- AS400 card (option)
- PowerShield NetGuard® software included



## Commander RT



## features

- Pure sine wave output
- Rack/Tower design
- Microprocessor-based line interactive design
- Built-in boost and buck AVR
- Output power factor 0.8
- Programmable power management outlets
- ECO mode operation for energy saving (ECO)
- Emergency Power Off Function (EPO)
- Hot-swappable battery design
- Long-run models available
- Multiple communication available



THE AUSTRALIAN UPS COMPANY



COMMANDER RT					BATTERY BANKS		
MODEL	PSCRT800	PSCRT1100	PSCRT2000	PSCRT3000	PSCRTBB8	PSCRTBB12	
CAPACITY	800VA/640 W	1100VA/880W	2000VA/1600W	3000VA/2400W	Suits PSCRT2000 only	Suits PSCRT3000 only	
<b>INPUT</b>							
Input voltage range	162-290 VAC						
frequency range	50/60 Hz (auto sensing) +/-5Hz						
<b>OUTPUT</b>							
Voltage Regulation (AC Mode)	240Vac (Selectable208/220/230Vac) +/-10% AVR						
Voltage Regulation (Batt. Mode)	±3% (before battery alarm)						
Frequency Range (Batt. Mode)	50 Hz or 60 Hz ± 1 Hz						
Current Crest Ratio	3:1						
Harmonic Distortion	5% max @ 100% linear load, 10% max @ 100% non-linear load (before alarm)						
Transfer Time	Typical 2-6 ms, 10ms max.						
Waveform (Batt. Mode)	Pure Sine Wave						
<b>EFFICIENCY</b>							
ECO Mode	97%		97%	97%			
Buck & Boost Mode	90%		90%	90%			
Battery Mode	83%		89%	87%			
<b>EFFICIENCY</b>							
Standard Model	Battery Type & Number	12 V*9Ah x 2	12 V*9Ah x 2	12 V*9Ah x 4	12 V*9Ah x6	12 V*9Ah x 8	12 V*9Ah x 12
	Typical Recharge Time	4 hours recover to 90% capacity					
Additional Battery Banks	N/A	N/A	PSCRTBB8 (x1)	PSCRTBB12 (x1)			
<b>INDICATORS</b>							
LCD Display	AC Mode, Battery Mode, Load Level, Input Voltage, Output Voltage, Overload, Fault, and Low Battery, Battery time remaining						
<b>PROTECTION</b>							
Full Protection	Overload, discharge, and overcharge protection						
<b>ALARM</b>							
Battery Mode	Sounding 2 beeps every 30 seconds						
Low Battery	Sounding 1 beep every second						
Overload	Sounding 2 beeps every 2 seconds						
Fault	Continuously sounding						
<b>PHYSICAL</b>							
Standard Model	Dimension DxWxH (mm)	380 x 438 x 88			600 x 438 x 88	380 x 438 x 88	600 x 438 x 88
	Net/Gross weight (kg)	15/16	15/16	23/25	32/35	25/27	35/37
<b>ENVIRONMENT</b>							
Operating Humidity	0-90 % RH @ 0- 40°C (non-condensing)						
Noise Level	Less than 45dB						
<b>MANAGEMENT</b>							
Smart RS232	PowerShield NetGuard® software - supports Windows based operating systems, Linux, Unix						
USB							
Optional SNMP	Power management from SNMP manager and web browser (Intelligent Slot)						
Optional AS400	AS400 dry contact communication card (intelligent Slot)						



PSCRT800/1100/2000



PSCRT3000

