

# Commander RT

1000VA | 2000VA | 3000VA

True Online Double Conversion UPS



The Microprocessor-based, line Interactive, Pure Sine Wave **Commander Rackmount/Tower** UPS offers power protection for applications such as networking, telecom, security and motors.

The Advanced ECO mode function allows cost effective operation of the UPS with an efficiency as high as 98%. To provide longer backup time the 2kVA and 3kVA models are expandable to include an additional battery bank.

## Features



### Exceptional surge protection

- Offering the best surge protection in its class to protect against damaging surges

### Output power factor 0.8

- The Commander RT is high-density UPS with output power factor 0.8 to provide higher performance and efficiency to critical applications.

### Informative & easy-shift LCD display

- The front panel LCD display panel is readily viewable whether the UPS is horizontal or vertical. It displays all critical and noncritical parameters, including the estimated battery backup time remaining.

### Rack/Tower design

- The Commander RT can be easily installed as a floor-standing tower or in a 19-inch rack.

### Programmable outlets

- This UPS comes with programmable power management outlets allowing the user to control the load segments, thereby extending battery backup times to mission critical devices by shutting down non-critical items.

### Emergency Power Off Function (EPO)

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

### ECO & advanced ECO mode

- It has an advanced ECO mode, which allows the UPS to operate at a very high efficiency, up to 98%. When the utility mains input voltage is within the ECO range the UPS saves energy by passing the mains supply directly through to the load, while the inverter continues to operate in a passive mode.

### Hot swappable batteries

- Incorporates hot-swappable internal battery packs which can be accessed via the front panel for maintenance changes, keeping the UPS operational during battery replacement. Additional battery banks can be added to increase battery backup time.

### Buck and Boost AVR

- Built-in buck and boost AVR (combination of Australian and IEC)

## Optional Accessories

- PSSNMP - SNMP card (option to connect a PSEMD)
- PSEMD - Environmental Monitoring Device for temperature and humidity
- PSMdbus - Modbus card
- PSAS400 - AS400 dry contact card
- PSRK - 1RU rail kit
- PSRTBB8, PSRTBB12 - Extra battery bank
- PSMB52k, PSMB53k - Maintenance Bypass Switch



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## Commander RT

MODEL	COMMANDER RT 1000	COMMANDER RT 2000	COMMANDER RT 3000	RT BATTERY BANKS		
Model Number	PSCRT1100	PSCRT2000	PSCRT3000	PSCRTBB8	PSCRTBB12	
Capacity	1100VA/880W	2000VA/1600W	3000VA/2400W	Suits PSCRT2000	Suits PSCRT3000	
Topology	Line Interactive, Pure Sine Wave					
<b>INPUT</b>						
Voltage	240Vac (Nominal)					
Voltage Range	162-290Vac					
Frequency Range	50/60 Hz (Auto Sensing) ±5Hz					
<b>OUTPUT</b>						
Output Voltage (AC Mode)	240Vac (Selectable 208/220/230Vac) ±10% AVR					
Voltage Regulation (Batt. Mode)	±3%					
Frequency Range (Batt. Mode)	50Hz or 60Hz ± 1Hz					
Current Crest Ratio	3:1					
Transfer Time	6ms (Typical)					
Waveform (Batt. Mode)	Pure Sine Wave					
<b>EFFICIENCY</b>						
ECO Mode (Advanced)	98%	98%	98%			
Battery Mode	83%	89%	87%			
<b>BATTERY</b>						
Standard Model	Battery Type & Number	12V*9Ah (x 2)	12V*9Ah (x 4)	12V*9Ah (x 6)	12V*9Ah (x 8)	12V*9Ah (x 12)
	Typical Recharge Time	4 Hours Recover to 90% Capacity				
Additional Battery Banks	N/A	PSCRTBB8 (x1)	PSCRTBB12 (x1)			
<b>PROTECTION</b>						
Full Protection	Overload, discharge, thermal, short circuit and overcharge protection					
Surge Protection	1560Joules / 32500Amps					
<b>COMMUNICATIONS &amp; MANAGEMENT</b>						
Interface	USB or RS232 as standard, Intelligent slot for PSSNMP, PSMdbus or PSAS400 dry contact					
Software	PowerShield® NetGuard® software supports Windows®, Linux, Unix, and MAC					
LCD Display/Alarm	AC mode, Batt. mode, Load Level, Input Voltage, Output Voltage, Overload, Fault, Low Batt., Batt. Time remaining					
Audible Alarm	Battery mode, low battery (batt. mode), fault, overload					
<b>PHYSICAL</b>						
Dimension (D x W x H)	(380 x 438 x 88)mm		(600 x 438 x 88)mm	(480 x 438 x 88)mm	(600 x 438 x 88)mm	
Weight (Net/Gross)	(15kg / 16kg)	(23kg / 25kg)	(32kg / 35kg)	(25kg / 27kg)	(35kg / 37kg)	
<b>OPERATING environment</b>						
Temperature	0 - 40°C					
Humidity	0 - 90% (RH Non-condensing)					
Noise Level	< 45dB					
<b>COMPLIANCE</b>						
Safety	EN62040 - 1 - 1 2003, IEC60950 - 1 - 1					
EMC	EN62040 - 2 2006					
RoHS	Directive 2011 / 65 / EU					

\*Specifications are subject to change without prior notice. UPS output capacity is calculated at PF = 0.7



PSCRT1100



PSCRT2000



PSCRT3000