With pure sine wave output, the Commander Rackmount / Tower provides compatibility for all kinds of loads. It offers power protection for applications such as networking, telecom, security and motors to name a few.

The Advanced ECO mode function allows cost-effective operation of the UPS with an efficiency as high as 98%. With features such as 2RU, hot swappable batteries, highest surge rating in its class, and combination of Australian and IEC outlets, this sophisticated line interactive pure sine wave UPS is in a class of its own.

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

Optional Accessories
- PSSNMP - SNMP card (option to connect a PSEMD)
- PSEMD - Environmental Monitoring Device for temperature and humidity
- PSModbus - Modbus card
- PSAS400 - AS400 dry contact card
- PSRK - 1RU rail kit
- PSRTBB8, PSRTBB12 - Extra battery bank
- PSMS2k, PSMS3k - Maintenance Bypass Switch

www.powershield.com.au
## Commander RT

<table>
<thead>
<tr>
<th>Model</th>
<th>PSCRT1100</th>
<th>PSCRT2000</th>
<th>PSCRT3000</th>
<th>PSRTB8</th>
<th>PSRTB12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>1100VA/880W</td>
<td>2000VA/1600W</td>
<td>3000VA/2400W</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Topology</td>
<td>Line Interactive, Pure Sine Wave</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage</td>
<td>240Vac (Nominal)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage Range</td>
<td>162-290Vac</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency Range</td>
<td>50/60Hz ±5Hz (Auto sensing)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Input
- **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

### Efficiency
- **ECO Mode (Advanced)**: 98% 98% 98%
- **Battery Mode**: 83% 89% 87%

### Battery
- **Battery Type & Number**: 12 V*9AH (x 2) 12 V*9AH (x 4) 12 V*9AH (x 6) 12 V*9AH (x 8) 12 V*9AH (x 12)
- **Typical Recharge Time**: 4 hours recover to 90% capacity
- **Additional Battery Banks**: N/A PSRTB8 (x1) PSRTB12 (x1)

### Protection
- **Full Protection**: Overload, discharge, thermal, short circuit and overcharge protection
- **Surge Protection**: 1560 Joules / 32500 Amps

### Communications & Management
- **Interface**: USB or RS232 as standard, Intelligent slot for PSSNMP, PSModbus or PSA5400 dry contact
- **Software**: PowerShield NetGuard® software - supports Windows based operating system, 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

### Physical
- **Dimension (D x W x H)**: (380 x 438 x 88) mm (480 x 438 x 88) mm (600 x 438 x 88) mm (380 x 438 x 88) mm (600 x 438 x 88) mm
- **Weight (Net/Gross)**: (15kg/16kg) (23kg/25kg) (32kg/35kg) (25kg/27kg) (32kg/37kg)

### Operating Environment
- **Temperature**: 0 - 40°C
- **Humidity**: 0 - 90% [RH Non-condensing]
- **Noise Level**: < 45dB

### Compliance
- **Safety**: EN62040-1:2003, IEC60950-1:1
- **EMC**: EN62040-2:2006
- **RoHS**: Directive 2011/65/EU

---

![PSCRT1100](image1.png)  
![PSCRT2000](image2.png)  
![PSCRT3000](image3.png)