

Commander RT

1100VA | 2000VA | 3000VA



Line Interactive



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



DESIGNED BY AUSTRALIANS FOR AUSTRALIAN CONDITIONS



Commander RT

| MODEL | COMMANDER RT 1100K | COMMANDER RT 2000K | COMMANDER RT 3000K | 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 | | | | | |
| INPUT | | | | | | |
| Voltage | 240Vac (Nominal) | | | | | |
| Voltage Range | 162-290Vac | | | | | |
| Frequency Range | 50/60 Hz (Auto Sensing) ±5Hz | | | | | |
| OUTPUT | | | | | | |
| 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 | | | | | | |
| 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) | | | |
| PROTECTION | | | | | | |
| Full Protection | Overload, discharge, thermal, short circuit and overcharge protection | | | | | |
| Surge Protection | 1560Joules / 32500Amps | | | | | |
| COMMUNICATIONS & MANAGEMENT | | | | | | |
| 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 | | | | | |
| PHYSICAL | | | | | | |
| 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) | |
| OPERATING environment | | | | | | |
| Temperature | 0 - 40°C | | | | | |
| Humidity | 0 - 90% (RH Non-condensing) | | | | | |
| Noise Level | < 45dB | | | | | |
| COMPLIANCE | | | | | | |
| 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

REAR VIEW

PSCRT1100 / PSCRT2000



PSCRT3000

