Commander RT

1100VA ı 2000VA ı 3000VA

Line Interactive 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 0.9

- The Commander RT is high-density UPS with output power factor 0.9 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.

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.

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
- PSModbus - Modbus card
- PSAS400 - AS400 dry contact card
- PSRK - 1RU rail kit
- PSRTBB8, PSRTBB12 - Extra battery bank
- PSMBS2k, PSMBS3k- 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/990W	2000VA/1800W	3000VA/2700W	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 (Selectable200/208/220/230Vac) ±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				
IEC Outlets	10A, C13 x 5		10A, C13 x 5 15A, C19 x 1		
Australian Sockets	3		2		
EFFICIENCY					
ECO Mode (Advanced)	98%	98%	98%		
Battery Mode	90%	91%	92%		
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)
Standard Model — 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				
COMMUNCATIONS & MANAGEMENT					
Interface	USB or RS232 as standard, Intelligent slot for PSSNMP, PSModbus or PSAS400 dry contact				
Software	PowerShield® NetGuard® software supports Windows®, 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, Low Batt., Batt. Time remaining				
Audible Alarm	Battery mode, low battery (batt. mode), fault, oveload				
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	(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					
Temparature	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