



RAPTOR-1K/RAPTOR-2K/RAPTOR-3K

Overview

The high quality Online Double-Conversion UPS that offers the ideal power protection. Designed for office and data center applications, the RAPTOR Series adopts double-conversion topology to provide seamless Pure Sine Wave output. The UPSs are compatible with generators to prolong power continuity.

The products also adopt ECO Mode to help save on energy costs, Smart Battery Management (SBM) to extend battery life, and multifunction LCD readout to display precise information. The power management software allows users to easily control and monitor the UPS system.

Features

- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 (USB/EPO) Relay card/SNMP card optional.
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Complying with EMC and safety standards

Application

Raptor 1~3kVA, Tower models application areas

- Data Network: Mid - range Servers (Windows and Linux), Wi-Fi Applications & Data networks
- Small Data Center Rooms
- Voice Networks: Cellular Sites, Voice Over IP (VOIP), Very small Aperture Terminals (VSAT) PBX And IT-enabled PBX Automation industries
- Process Automation Equipment: Programmable Logic Controllers (PLS) and Cash Machines (ATM)

Advanced protection for :

- Infrastructure
- Industrial and Medical IT
- Networking
- Storage
- Telecom



Online (Double Conversion) UPS Topology



Extended Battery Module (EBM)



Zero Transfer Time



Remote Management Capability



Smart Battery Management



Energy Saving Technology

Angustos

Angustos was founded in 2000 and is now regarded as one of the foremost manufacturers of Uninterruptible Power Supply, IT equipments,...

For more than 20 years our customers have been convinced by our core competencies in extending, switching and distributing standardised computer signals.

We are committed to established international standards. We can provide customers with complete Datacenter & Power solutions as well as OEM/ODM services. We can cover even from medium to small business, factory & industrial, military & government, home office & personal use.

SPECIFICATION



Model Name	RAPTOR-1K	RAPTOR-2K	RAPTOR-3K
Power Rating	1 kVA / 0.9 kW	2 kVA / 1.8 kW	3 kVA / 2.7 kW
GENERAL			
UPS Topology	Online Double Conversion		
ECO Technology	Online ECO Mode Efficiency \geq 96%		
Generator Compatibility	Yes		
INPUT			
Nominal Voltage	208/220/230/240Vac		
Input Voltage Range	110~300Vac (100% load@>176Vac; 80% load@>154Vac; 70% load@>132Vac; 50% load@>110Vac)		
Power factor	\geq 0.99		
Frequency Range	40~70Hz (50/60Hz, 50 \pm 10Hz, 60 \pm 10Hz)		
Frequency Detection	Auto-sensing		
Input Connector type	IEC C14	IEC C20	
OUTPUT			
Voltage	208/220/230/240Vac		
Voltage Regulation	\pm 1%		
Output Voltage Setting	Configurable		
Output Frequency	(50 \pm 0.1%, 60 \pm 0.1%)Hz		
Overload Capability	105%~130%: to bypass after 1 min; 150%: to bypass after 30 sec		
Harmonic distortion	THDv < 3% Linear load, THDv < 5% Non linear load		
Efficiency AC-AC	91%	Up to 93%	
Output Connector type	Universal		
BATTERY			
Voltage	36VDC	72VDC	96VDC
Runtime@50% Load(min)	16	16	15
Runtime@100%Load(min)	7	7	6.5
Typical Recharging Time	4 hours (To 90% of full capacity)		
Charging current (Max.)	1A		
INDICATORS			
LED display	Battery mode, Line mode, Bypass mode, , ECO mode, Battery low voltage, Overload & UPS fault		
LCD display	Input frequency, Input voltage, Output frequency, Output voltage, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time		
Alarm	Battery mode : beeping every 4 seconds; Battery low : beeping every second; Overload : beeping twice every second; Fault : continuously beeping		
PHYSICAL & STANDARDS & ENVIRONMENT			
Dimension(WxDxH)/Weight	144x399x209mm/12.5kg	191x 460x 337mmmm/24.5kg	191x 460x 337mmmm/29.5kg
Performance	IEC/EN 62040-3		
SAFETY	IEC/EN 62040-1, IEC/EN 62477-1		
EMC	IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)		
Environment	Operating temperature : 0°C - 40°C; Storage temperature : -25°C~55°C; Humidity range : 20~95%RH @ 0~40°C (Non condensing) Altitude : < 1500m, derating required when >1500m; Noise level < 50dB at 1 Meter, Ingress Protection : IP20		

1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
2. Specifications are subject to change without prior notice
3. Data above are typical values for reference only, not as a basis for engineering design