CyberPower

RT33 (3-PHASE) SERIES

RT33010KEN



DATA CENTER UPS WITH RACK COMPATIBILITY

Three-phase Design

Online ECO Mode

Rack Modular Design

Flexible System Configuration

LCD Touch Panel

Dual Inputs

Reliable power backup with flexible configuration suitable for servers and data centers

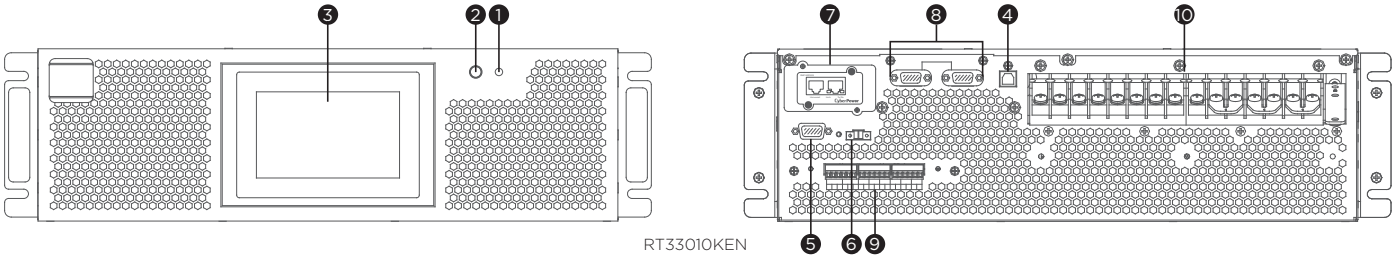
Designed for office, back office, server room and data center application, the RT33 (3-Phase) Series adopts double conversion online topology to offer ideal power solution. The products are compatible with 19" standard rack cabinet. The systems also intelligently control the whole process of the charging and discharging. Last but not least, the systems can be flexibly configured to 3-in/3-out and 3-in/1-out according to the users' needs.

SERIES FEATURES

- Three-phase Design
- Online (Double Conversion) UPS Topology
- Online ECO Mode
- High Output Power Factor
- Rack Compatibility
- LCD Touch Panel
- Color LCD Panel
- Dual Inputs
- UPS Parallel Expansion
- Generator Compatible
- Pure Sine Wave Output
- Battery Cold Start
- Smart Battery Management (SBM)
- SNMP/HTTP Remote Management Capability (Optional)
- Extended Battery Module (EBM)

PRODUCT CALLOUTS

1. LED Status Indicator
2. Battery Cold Start Button
3. LCD Display Panel
4. USB Port (Optional)
5. RS232
6. RS485
7. SNMP/HTTP Card
8. Parallel Port
10. Connector



RT33010KEN

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TECHNICAL SPECIFICATIONS

Model Name	RT33010KEN
General	
Phase	Three Phase
Form Factor	Rackmount, Tower
Energy Saving Technology	Online ECO Mode Efficiency up to 98%
Normal Mode Efficiency (%)	95.50%
Battery Mode Efficiency (%)	95.50%
Parallel Expansion (Max. Units)	4
Input	
Dual Power Inputs	Yes
Nominal Input Voltage (Vac)	Line to Neutral (L-N):220, 230, 240 Vac, Line to Line (L-L):380, 400, 415 Vac
Input Voltage Range (Vac)	Line to Neutral (L-N):132 - 276 Vac, Line to Line (L-L):228 - 478 Vac
Input Frequency (Hz)	50 ± 3, 60 ± 3
Input Frequency Range (Hz)	40 - 70
Input Power Factor	0.99
Output	
Capacity (VA)	10000
Capacity (Watts)	10000
Rated Output Voltage (Vac)	Line to Neutral (L-N):220, 230, 240 Vac, Line to Line (L-L):380, 400, 415 Vac
Output Voltage Tolerance (%)	1.50%
Output Frequency (Hz ± %)	50 ± 0.1, 60 ± 0.1
Power Factor	1
Overload Protection (Line Mode)	105-110% Load for 60 min, 110-125% Load for 10 min, 125-150% Load for 1 min, >150% Load Immediately
Crest Factor	03:01
Harmonic Distortion (Linear Load)	THD＜1%
Harmonic Distortion (Non-linear Load)	THD＜6%
Battery	
Compatible Battery Types	VRLA, AGM, Gel, Wet
Recharge Power (%)	Default10 % (Selectable from 1-20%x UPS Capacity)
Charger Voltage Tolerance (%)	1%
Battery Solution	Extended Battery
Battery Voltage (V)	±240
Compatible Extended Battery Module (EBM)	BM240V63ART3U
Compatible Extended Battery Cabinet (EBC)	SMBF17, SMBF20, SMBF26, SMBF40, SMBF65, BCA100N125, BCA12N63, BCA20N125, BCA40N125
External Battery Quantity	12V x 40pcs
Management & Communications	
LCD Panel	Yes
Color LCD	Yes
LCD Touch Panel	Yes
LCD Information Display	Operation Type, Power Status, Battery Status, Load Status, Fault & Warning, Other Information, Event & Log
LCD Setting & Control	Mode Setting, Input & Output, Battery Setting, Communication, Event & Log, Security Setting, Language
LED Indicators	Yes
Serial Port	RS232 x 1 + RS485 x 1 + Dry Contact x1
Dry Contact (with Relay)	Yes
Power Management Software	PowerPanel® Business (Recommended)
SNMP/HTTP Remote Monitoring	Yes - RMCARD205 included
Physical	
Ingress Protection	IP20
Physical Size - UPS Module	
Dimensions (WxHxD) (mm.)	438 x 130 x 750
Weight (kg.)	27
Shipping Dimensions	
Dimensions (WxHxD) (mm.)	575 x 270 x 950
Weight (kg.)	34
Environmental	
Operating Temperature (°C)	0 - 40
Operating Relative Humidity (Non-condensing) (%)	0 - 95
Operating Elevation (feet/meters)	≤1000, Load Derated 1% per 100m from 1000m and 2000m
Storage Temperature (°C)	-40 - 70
Storage Relative Humidity (Non-condensing) (%)	0 - 95
Audible Noise at 1.5M from Surface of Unit (dBA)	58
Certifications	
Certifications	CE, BSMI, IEC62040-1, IEC62040-2

*Certifications may vary according to different regions. Visit www.cyberpower.com for more information.
#All specifications are subject to change without notice.

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