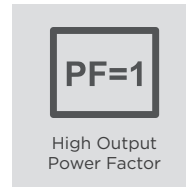# CyberPower

RT33010KE/RT33015KE/RT33020KE
RT33025KE/RT33030KE

DATA CENTER UPS WITH RACK COMPATIBILITY

Three-phase Design	ECO Mode	High Density Design	Flexible System Configuration	High Output Power Factor	Remote Management Capability	
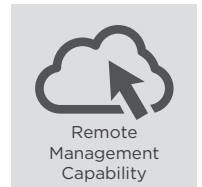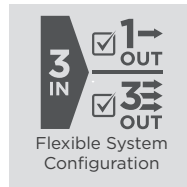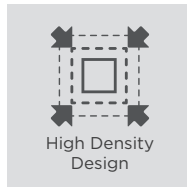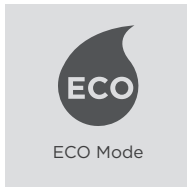
Reliable power backup with flexible configuration suitable for servers and data centers

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
- ECO Mode
- High Density Design
- Flexible System Configuration
- High Output Power Factor*
- Rack Modular Design
- LCD Touch Panel

- Color LCD Panel
- Dual Inputs
- UPS Parallel Expansion
- Generator Compatible
- Pure Sine Wave Output
- Battery Cold Start
- SNMP/HTTP Remote Management Capability (Optional)
- PowerPanel Management Software

*Selected Model(s)

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
9. Dry Contact
10. LBS
11. Connector

RT33010/015KE

RT33020/025/030KE
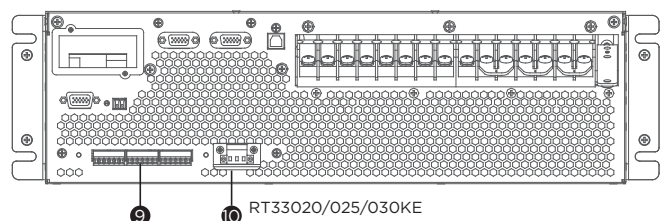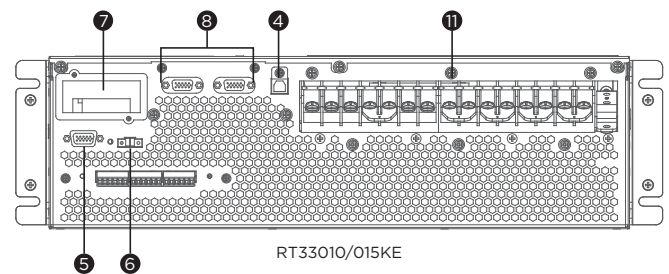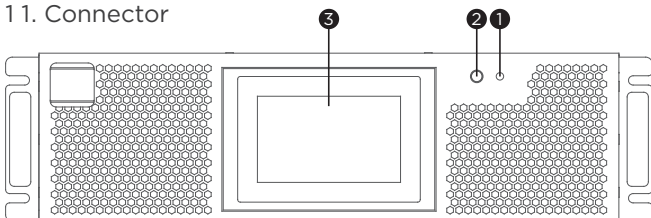
TECHNICAL SPECIFICATIONS

Model Name	RT33010KE	RT33015KE	RT33020KE	RT33025KE	RT33030KE
General					
Phase	Three Phase				
Form Factor	Rackmount, Tower				
Energy Saving Technology	Online ECO Mode Efficiency > 98%				
Normal Mode Efficiency (%)	95%		95.5%		
Battery Mode Efficiency (%)	94.5%		95.5%		
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	15000	20000	25000	30000
Capacity (Watts)	10000	15000	20000	25000	24000
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 (%)	1.5%				
Output Frequency (Hz ± %)	50 ± 0.1, 60 ± 0.1				
Power Factor	1			0.8	
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	3:1				
Harmonic Distortion (Linear Load)	THD<1%				
Harmonic Distortion (Non-linear Load)	THD<5%		THD<6%		
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				
LCD Types	Color LCD, LCD Touch Panel				
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 - with optional RMCARD205				
Physical					
Ingress Protection	IP20				
Physical Size - UPS Module					
Dimensions (WxHxD) (mm.)	438 x 130 x 750				
Weight (kg.)	25		27		
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.

CE R38260 RoHS