













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

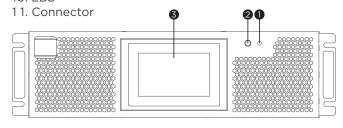
- Three-phase Design
- Online (Double Conversion) UPS Topology
- ECO Mode
- High Density Design
- Flexible System Configuration
- High Output Power Factor*
- Rack Modular Design
- LCD Touch Panel

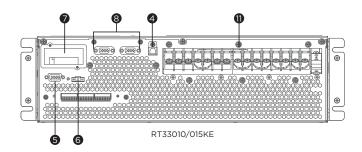
- Color LCD Panel
- Dual Inputs
- UPS Parallel Expansion
- Generator Compatible
- Pure Sine Wave Output
- Battery Cold Start
- SNMP/HTTP Remote Management Capability (Optional)
- PowerPanel Management Software

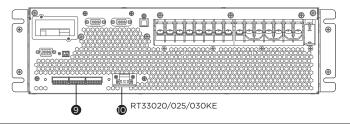
*Selected Model(s)

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







TECHNICAL SPECIFICATIONS

Second	Model Name	RT33010KE	RT33015KE	RT33020KE	RT33025KE	RT33030KE
Reper Part Rep	General			<u> </u>	<u> </u>	
Emergy Saving Technology Some S	Phase	Three Phase				
Normal Mode Efficiency (5) 95% 95.5%	Form Factor					
Storage Stor	Energy Saving Technology					
Battery Mode Efficiency (0) 94.5% 95.5%		9!	5%		95.5%	
Paralle Experiency (Pas Units)						
Note Double Preser Institute Note No				4		
Due Power Inputs				<u> </u>		
Nominal Input Voltage (Vac)				Vas		
	·					
Injust Frequency (Ft)						
Tripot Proper Part Pro						
Comparison Capacity (VA)						
Capacity (VA)						
Capacity (VAs) 10000 15000 20000 25000 300000 300000 300000 300000 300000 300000 300000 300000 300000 300000 300000 300000 300000 3000000 300000000				0.99		
Capacity (Watts) 10000 15000 20000 20000 240000 240000 240000 240000 240000 240000 240000 240000 2400000 2400000 24000	-		I			
Rated Option Workings (*Voice) Line to Neutrial (L-N); 220, 230, 240 Vac. Line to Line (L-1); 380, 400, 415 Vac Units Vatings Tolarace (%) 15%	Capacity (VA)					
Output Frequency (15 ± 50) Power Factor Power Pactor Power Factor Power Factor Power Factor Power Pactor Power Factor Power Pactor Pow		10000				24000
Output Processing Processing Output Ou	Rated Output Voltage (Vac)	Line to Neutral (L-N): 220, 230, 240 Vac, Line to Line (L-L): 380, 400, 415 Vac				
Devertood Protection 1	Output Voltage Tolerance (%)	1.5%				
Overload Protection (Line Mode)	Output Frequency (Hz ± %)	50 ± 0.1, 60 ± 0.1				
Cest Factor Side	Power Factor			1		0.8
Harmonic Distortion (Linear Load) Harmonic Distortion (Non-linear Load) THD <s% s%="" td="" th<="" thd="" thd<s%=""><td>Overload Protection (Line Mode)</td><td>105~1</td><td>10% Load for 60 min, 110-125</td><td>% Load for 10 min, 125-150% Lo</td><td>ad for 1 min, >150% Load Imme</td><td>ediately</td></s%>	Overload Protection (Line Mode)	105~1	10% Load for 60 min, 110-125	% Load for 10 min, 125-150% Lo	ad for 1 min, >150% Load Imme	ediately
Harmonic Distortion (Non-linear Load) Compatible Battery Types Recharge Power (%) Default 0	Crest Factor					
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 Solution 124.0 Battery Voltage (Y) 124.0 Compatible Extended Battery Module (EBN) BM240V63ART3U Compatible Extended Battery Cabnet (BEC) SMBF17, SMBF20, SMBF26, SMBF40, SMBF68, BCA/DON125, BCA/DON	Harmonic Distortion (Linear Load)					
Recharge Power (%)	Harmonic Distortion (Non-linear Load)	THE	<5%		THD<6%	
Recharge Power (%)						
Charger Yoltage Tolerance (%) I% Battery Solution Extended Battery Battery Yoltage (Y) 1±240 Compatible Extended Battery Module (EBM) BM240VS3ART3U Compatible Extended Battery Cabinet (EBC) SMBF17. SMBF20, SMBF26, SMBF40, SMBF65, BCA10ON125, BCA12ON125, BCA40N125 External Battery Quantity TV SMBF20, SMBF26, SMBF40, SMBF65, BCA10ON125, BCA12ON125, BCA40N125 External Battery Quantity SMBF20, SMBF20, SMBF26, SMBF40, SMBF65, BCA10ON125, BCA12ON125, BCA40N125 External Battery Quantity SMBF20, SMBF20, SMBF26, SMBF40, SMBF65, BCA10ON125, BCA12ON125, BCA40N125 External Battery Quantity SMBF20, SMBF20, SMBF26, SMBF40, SMBF66, BCA10ON125, BCA12ON125, BCA40N125 Management & Communications Yes LCD I You Panel Yes LCD I Yes Color LCD, LCD Touch Panel LCD Information Display Operating & Status, Battery Status, Load Status, Fault & Warning, Other Information, Event & Log. LCD Information Display Operating & Status, Boattery Status, Load Status, Fault & Warning, Other Information, Event & Log. LCD Information Display Operating Extended Status, Fault & Warning, Other Information, Event & Log. LCD Information Display Operating Extended Status, Fault & Warning, Other Information, Event & Log.						
Battery Voltage (V) Extended Battery Battery Voltage (V) ± 240 Compatible Extended Battery Module (EBN) BM20V9SART3U Compatible Extended Battery Cabinet (EBC) SMBF17, SMBF20, SMBF40, SMBF45, BCA10ON125, BCA12N63, BCA2ON125, BCA40N125 External Battery Quantity T2V x 40pcs Management & Communications T2V x 40pcs 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 x 8x48 x 1 + bry Contact x1 Dry Contact (with Relay) Yes Power Nanagement Software PowerPanel Business (Recommended) NaMP/HTTR Remote Monitoring Yes - with optional RMCARD205 Physical Exer - UPS Module 438 x 130 x 750 Pilopical Size - UPS Module 27 Provious (Kig) 25 27 Environmental 27 Cervaling Relative Humidity (Non-condensing) (%) <td>-</td> <td colspan="5"></td>	-					
Bettery Voltage (V) ± 2440 Compabible Extended Battery Module (EBM) BM240V6SART3U Compabible Extended Battery Calanter (BC) SMBF17, SMBF20, SMBF26, SMBF40, SMBF36, BCALONNI25, BCALONN						
Compatible Extended Battery Module (EBM) BM240V63ART3U Compatible Extended Battery Cabinet (EBC) SMBF17, SMBF20, SMBF26, SMBF40, SMBF65, BCA10ON125, 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 String & Control Mode Setting, Input & Output, Battery Setting, Communication, Event & Log, Security Setting, Language LCD Information Display Operation Type, Power Status, Battery Status, Load Status, Fault & Warning, Other Information, Event & Log LCD String & Control Mode Setting, Input & Output, Battery Setting, Communication, Event & Log, Security Setting, Language LCD Indicators Yes Serial Port RS232 x 1 + RS485 x 1 + Dry Contact x1 Dry Contact (with Relay) Yes Power Management Software PowerPanel Business (Recommended) SMMP/HTTP Remote Monitoring IP20 Physical Size - UPS Module Uniques of Vision (Kg) 25 438 x 130 x 750 Weight (Kg) 25 <th< td=""><td></td><td colspan="5"></td></th<>						
Compatible Extended Battery Cabinet (EBC) SMBF17, SMBF20, SMBF26, SMBF40, SMBF65, BCA100N125, BCA12N163, BCA20N125, BCA40N125 External Battery Quantity 12V x 40pcs Management & Communications Yes 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 Status, Load Status, Fault & Warning, Other Information, Event & Log LED Indicators Yes Serial Port RS232 x1 + RS485 x1 + Dry Contact x1 Dry Contact (with Relay) Yes Power Management Software Power Management Software Power Management Software Physical Yes - with optional RMCARD205 Physical Ingress Protection IP20 Physical Size - UPS Module IP20 27 Expering Selastive Description (Wish) 25 27 27 Environmental Operating Relative Humidity 0 - 95 20 20 20 20 20 20 20 20 20 20 20 <td></td> <td colspan="5"></td>						
External Battery Quantity 12V x 40pcs Management & Communications LCD Panel Yes LCD Information Display Operation Type, Power Status, Battery Status, Load Status, Fault & Warning, Other Information, Event & Log LCD Information Display Operation Type, Power Status, Battery Status, Load Status, Fault & Warning, Other Information, Event & Log LCD Information Display Operating & Control Mode Setting, Input & Output, Battery Status, Load Status, Fault & Warning, Other Information, Event & Log LED Indicators Yes Serial Port Operating New & South Status, Fault & Warning, Other Information, Event & Log Dry Contact (with Relay) Yes Power Management Software Power Management Software Yes Power Management Software Power Management Software Yes Power Management Software Yes Power Management Software Power Manag						
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 R S485 x 1 + ry Contact x1 Dry Contact (with Relay) Yes Power Management Software PowerPanel Business (Recommended) SNMP/HTD Remote Monitoring Yes Ingress Protection IP20 Physical Provided Secondary Sec						
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 Status, Load Status, Fault & Warning, Other Information, Event & Log. LED Indicators Yes Serial Port RS232 x 1 + RS485 x 1 + Dry Contact xil Dry Contact (with Relay) Yes Power Management Software PowerPanel Business (Recommended) SNMP/HTTP Remote Monitoring Yes - with optional RMCARD205 Physical Size - UPS Module Dimensions (WxHxD) (mm) 438 x 130 x 750 Weight (kg) 25 27 Environmental Operating Relative (*C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 0 - 95 0 - 95 Operating Elevation (feet/meters) ≤1000, Load Derated 1% per 100m from 1000m and 2000m Storage Relative Humidity (Non-condensing) (%) 3 - 95 Audible Noise at 15M from Surface of Unit (dBA) 58 6		IZV X 4Upcs				
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 Status, Load Status, Fault & Warning, Other Information, Event & Log LCD Indicators Yes Serial Port RS±32 x 1+ RS485 x 1+ Dry Contact x1 Dry Contact (with Relay) Yes Power Management Software PowerPanel Business (Recommended) SNNP/HTTP Remote Monitoring Yes - with optional RMCARD205 Physical Ingress Protection Power Panel Business (Recommended) Physical Size - UPS Module Physical Size - UPS Module Dimensions (WxhkD) (mm.) 438 x 130 x 750 Weight (kg.) 25 27 Environmental 2 2 Operating Relative Humidity (Non-condensing) (%) 0 - 95 0 - 95 Operating Elevation (feet/meters) \$1000, Load Derated & per 100m from 1000m and 2000m \$1000 Derated (Feet/meters) \$1000 Derated (Feet/met	-			.,		
LCD Information Display Operation Type, Power Status, Battuery Status, Load Status, Fault & Warning, Other Information, Event & Log LCD Setting & Control Mode Setting, Input & Output, Battury, Estting, Communication, Event & Log, Security Setting, Language LED Indicators Yes Serial Port RS232 x1 + RS485 x1 + Dry Contact x1 Dry Contact (with Relay) Yes Power Management Software Power Management Software Power Management Monitoring Yes Physical Protection IP20 Physical Size - UPS Module IP20 Physical Size - UPS Module IP20 Physical Size - UPS Module IP20 Physical Size - UPS Module IP20 Physical Size - UPS Module IP20 Physical Size - UPS Module IP20 Physical Size - UPS Module IP20 Physical Size - UPS Module IP20 Physical Size - UPS Module IP20 Physical Size - UPS Module IP20 Physical Size - UPS Module I						
LCD Setting & Control Mode Setting, Input & Output, Battery Setting, Communication, Event & Log, Security Setting, Language LED Indicators Yes Serial Port CRS332 x 1 R SR458 x 1 P DY Contact x 1 Dry Contact (with Relay) Yes Power Management Software PowerPanel Business (Recommended) SNNP/HTTP Remote Monitoring Yes - with optional RMCARD20S Physical Ingress Protection IP20 Ingress Protection IP20 Physical Size - UPS Module Ingress Protection 1P20 Physical Size - UPS Module Ingress (W:KHXD) (mm) 438 x 130 x 750 Veight (kg.) 25 27 Environmental Operating Temperature (°C) 0 - 40 - 40 Operating Relative Humidity (Non-condensing) (%) \$0 - 95 - 40 - 70 Storage Relative Humidity (Non-condensing) (%) \$0 - 95 - 40 - 70 Audible Noise at 1.5M (Non-condensing) (%) \$0 - 95 - 40 - 70 Audible Noise at 1.5M (Non-condensing) (%) \$0 - 95 - 40 - 70 <td></td> <td colspan="5"></td>						
LED Indicators Yes Serial Port RS332 x 1 + RS485 x 1 + Dry Contact x1 Dry Contact (with Relay) Yes Power Management Software PowerPanel Business (Recommended) SNNP/HTTP Remote Monitoring Yes - with optional RMCARD205 Physical IP20 Physical Size - UPS Module IP20 Dimensions (WxHxD) (mm.) 438 x 130 x 750 Weight (kg) 25 27 Environmental Operating Temperature (°C) 0 - 440 Operating Relative Humidity (Non-condensing) (%) 0 - 95 Operating Elevation (feet/meters) ≤1000, Load Dertoft (% per 100m from 1000m and 2000m Storage Temperature (°C) -40 - 70 Storage Relative Humidity (Non-condensing) (%) 0 - 95 Audible Noise at 15M from Surface of Unit (dBA) 58						
Serial Port RS232 x1 + RS485 x1 + Dry Contact x1 Dry Contact (with Relay) Yes Power Management Software Power Panel 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) sl000, Load Derated 1% per 100m from 1000m and 2000m Storage Relative Humidity (Non-condensing) (%) - 40 - 70 Storage Relative Humidity (Non-condensing) (%) - 95 Audible Noise at 15M from Surface of Unit (dBA) 58 Certifications						
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 27 Operating Temperature (*C) 0 - 40 438 x 130 x 750 Operating Relative Humidity 438 x 130 x 750 438 x 130 x 750 Sorraig Relative Humidity 438 x 130 x 750 438 x 130 x 750 Poperating Temperature (*C) 0 - 40 95 Operating Relative Humidity 0 - 95 400 95 Operating Elevation (feet/meters) \$1000, Load Derated 1% per 100m from 1000m and 2000m 95 Storage Relative Humidity 0 - 95 40 - 70 Storage Relative Humidity 9 - 95 40 - 70 Storage Relative Humidity 9 - 95 40 - 70 Storage Relative Humidity 9 - 95 40 - 70 Storage Relative Humidi	LED Indicators					
Power Management Software Power Panel Business (Recommended) SNMP/HTTP Remote Monitoring Yes - with optional RMCARD205 Physical Ingress Protection IP20 Physical Size - UPS Module Universions (WHXHXD) (mm.) 438 x 130 x 750 Weight (kg.) 25 27 Environmental Operating Temperature (°C) 0 - 40 40 Operating Relative Humidity (Non-condensing) (%) 0 - 95 40 Operating Elevation (feet/meters) ≤1000, Load Derated 1% per 100m from 1000m and 2000m 50 - 95 Storage Temperature (°C) -40 - 70 -40 - 70 Storage Relative Humidity (Non-condensing) (%) 0 - 95 -95 Audible Noise at 1.5M from Surface of Unit (dBA) 58 Evertifications	Serial Port					
SMMP/HTTP Remote Monitoring Physical Ingress Protection Physical Size - UPS Module Dimensions (WxHxD) (mm.) Weight (kg.) Operating Temperature (°C) Operating Relative Humidity (Non-condensing) (%) Corage Relative Humidity (Non-condensing) (%) Storage Relative Humidity (Non-condensing) (%) Audible Noise at 1.5M from Surface of Unit (dBA) Certifications	Dry Contact (with Relay)					
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 Relative Humidity (Non-condensing) (%) 0 - 95 Audible Noise at 1.5M from Surface of Unit (dBA) 58 Certifications	Power Management Software					
Ingress Protection Physical Size - UPS Module Dimensions (WxHxD) (mm.) Weight (kg.) 25 Environmental Operating Temperature (°C) Operating Relative Humidity (Non-condensing) (%) Operating Elevation (feet/meters) Storage Relative Humidity (Non-condensing) (%) Storage Relative Humidity (Non-condensing) (%) Audible Noise at 1.5M from Surface of Unit (dBA) Cettifications	SNMP/HTTP Remote Monitoring			Yes - with optional RMCARD2	05	
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 D=rated 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	Physical					
Dimensions (WxHxD) (mm.) Weight (kg.) Environmental Operating Temperature (°C) Operating Relative Humidity (Non-condensing) (%) Operating Elevation (feet/meters) Storage Temperature (°C) Storage Relative Humidity (Non-condensing) (%) Audible Noise at 1.5M from Surface of Unit (dBA) Certifications	Ingress Protection			IP20		
Weight (kg.) 25 27 Environmental Operating Temperature (°C) 0 - 40 Operating Relative Humidity (Non-condensing) (%) 0 - 95 Operating Elevation (feet/meters) ≤1000, Load D=rated 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	Physical Size - UPS Module					
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	Dimensions (WxHxD) (mm.)			438 x 130 x 750		
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	Weight (kg.)	2	5		27	
Operating Relative Humidity (Non-condensing) (%) Operating Elevation (feet/meters) Storage Temperature (°C) Storage Relative Humidity (Non-condensing) (%) Audible Noise at 1.5M from Surface of Unit (dBA) Certifications	Environmental					
(Non-condensing) (%) Operating Elevation (feet/meters) Storage Temperature (°C) Storage Relative Humidity (Non-condensing) (%) Audible Noise at 1.5M from Surface of Unit (dBA) Certifications	Operating Temperature (°C)			0 ~ 40		
Storage Temperature (°C) Storage Relative Humidity (Non-condensing) (%) Audible Noise at 1.5M from Surface of Unit (dBA) Certifications	Operating Relative Humidity (Non-condensing) (%)	0 - 95				
Storage Temperature (°C) Storage Relative Humidity (Non-condensing) (%) Audible Noise at 1.5M from Surface of Unit (dBA) Certifications	*****	<1000 Load Derated 1% per 100m from 1000m and 2000m				
Storage Relative Humidity (Non-condensing) (%) Audible Noise at 1.5M from Surface of Unit (dBA) Certifications			\$1000, Load		JOHN AND 2000M	
Audible Noise at 1.5M from Surface of Unit (dBA) 58 Certifications	Storage Relative Humidity					
Certifications	Audible Noise at 1.5M					
Certifications* CE, BSMI, IEC62040-1, IEC62040-2						
	Certifications*			CE, BSMI, IEC62040-1, IEC6204	10-2	

 $^{^{\}circ}$ Certifications may vary according to different regions. Visit www.cyberpower.com for more information. #All specifications are subject to change without notice.

