

PowerBridge 9+ RT Series High Power Density Rack/Tower Online UPS

The PowerBridge 9+ RT series is a true double conversion online single-phase UPS system that is available in tower and rackmount 2-in-1 convertible design.

The PowerBridge 9+ RT series comes with an easy-shift rotatable LCD panel to meet various installation requirements while also ensuring proper viewing orientation for users monitoring the UPS system. An Emergency Power Off (EPO) function is available which allows UPS to be shut down if in the event of an emergency.

The PowerBridge 9+ RT series system is designed to provide clean, high-quality power to critical devices such as sensitive networks, small computer centers, servers, medical equipment, telecom applications, and industrial applications.



Features

- User Friendly and Easy-Shift Rotatable LCD Display
- Tower / Rackmount 2-in-1 Convertible Design
- Output Power Factor 0.9
- Sealed Lead Acid Maintenance Free Battery
- Programmable Power Management Outlets
- Hot-Swappable Battery Design
- Extended Run Time Available
- ECO Mode Function for Energy Saving
- Emergency Power Off Function (EPO)
- Modem/Fax/Network Line Protection (RJ45)
- Come with RS232, USB Port, SNMP Slot, EPO Connector & Power Management Software



CCTV & Security Systems



Server Room



Electro-Medical Device



Local Area Network (LAN)



Key Advantages

Tower & Rackmount 2-in-1 Convertible Design

Suitable for horizontal rack or vertical tower installation

LCD Display

Easy-shift rotatable LCD panel to meet different installation requirement as well as ensuring proper viewing orientation for users to monitor the system

Hot-swappable Battery Design

UPS battery replacement can be performed without powering down the UPS system

Emergency Power Off (EPO) Function

Allow the UPS to be shut down in the event of an emergency if the EPO port is connected to the EPO switch.

Power Management Software

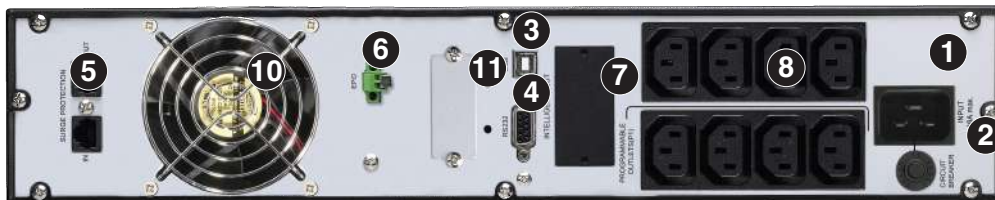
Come with RS-232 & USB Port interfaces to support UPS Power Management software

Rear Panel

1KVA - 3KVA



PowerBridge 9+ RT 1KVA - 1.5KVA



PowerBridge 9+ RT 2KVA



PowerBridge 9+ RT 3KVA

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|--|--------------------------------|
| 1. AC Input | 6. EPO Connector |
| 2. Input Circuit Breaker | 7. Intelligent Slot |
| 3. USB Communication Port | 8. 8 x IEC Output Socket |
| 4. RS-232 Communication Port | 9. 1 x IEC C19 |
| 5. Network/Fax/Modem Surge Protection (RJ45) | 10. Cooling Fan |
| | 11. External Battery Connector |



Technical Specification:

MODEL		PowerBridge 9+ RT 1K	PowerBridge 9+ RT 1.5K	PowerBridge 9+ RT 2K	PowerBridge 9+ RT 3K		
CAPACITY (KVA/WATTS)		1KVA / 900W	1.5KVA / 1350W	2KVA / 1800W	3KVA / 2700W		
INPUT							
NOMINAL VOLTAGE		200/208/220/230/240VAC					
VOLTAGE RANGE		110 - 300VAC ±5% (Based on load at 50%) 160 - 300VAC ± 5% (Based on load at 100%)					
FREQUENCY RANGE		40Hz ~ 70Hz					
PHASE		Single Phase with Ground					
INPUT POWER FACTOR		≥ 0.99 @ Nominal Voltage (100% Load)					
OUTPUT							
OUTPUT VOLTAGE		200/208/220/230/240VAC					
OUTPUT POWER FACTOR		0.9					
VOLTAGE REGULATION (Batt. Mode)		± 1%					
FREQUENCY RANGE (Synchronized Range)		47Hz ~ 53Hz or 57Hz ~ 63Hz					
FREQUENCY RANGE (Batt. Mode)		50Hz ± 0.1Hz or 60Hz ± 0.1Hz					
CURRENT CREST RATIO		3 : 1					
TOTAL HARMONIC DISTORTION (THDv)		≤ 2% @ Linear Load ; ≤ 4% @ Non-Linear Load					
WAVEFORM		Pure Sinewave					
TRANSFER TIME (AC to DC)		Zero					
TRANSFER TIME (Inverter to Bypass)		4 ms (Typical)					
STANDARD MODEL	OUTPUT SOCKET	8 x IEC Socket		8 x IEC Socket	8 x IEC + 1 x IEC C19 Socket		
EFFICIENCY							
AC MODE		90%	90%	91%	91%		
BATTERY MODE		88%	89%	88%	89%	90%	
ECO MODE		97%	97%	97%	97%		
BATTERY							
STANDARD MODEL	BATTERY TYPE	12V 9AH	12V 7AH	12V 9AH	12V 9AH	12V 7AH	12V 9AH
	BATTERY NUMBERS	2	3	3	4	6	6
	BACKUP TIME	20 - 30 minutes depending on load					
	RECHARGE TIME	4 Hours to 90% capacity					
	CHARGING CURRENT	1.5A (Max)					
	CHARGING VOLTAGE	27.4 VDC ± 1%	41.1 VDC ± 1%	41.1 VDC ± 1%	54.8 VDC ± 1%	82.1 VDC ± 1%	82.1 VDC ± 1%
KS MODEL	BATTERY TYPE	Depending on the capacity of the external batteries					
	BATTERY NUMBERS	2	3	3	4	6	6
	BACKUP TIME	Depending on the capacity of the external batteries					
	CHARGING CURRENT	1.0A / 2.0A / 4.0A / 8.0A (Adjustable)					
	CHARGING VOLTAGE	27.4 VDC ± 1%	41.1 VDC ± 1%	41.1 VDC ± 1%	54.8 VDC ± 1%	82.1 VDC ± 1%	82.1 VDC ± 1%
	STATUS INDICATION						
LCD DISPLAY		Load Level, Battery Level, AC Mode, Battery Mode, Bypass Mode, UPS Fault					
AUDIBLE ALARM		Battery Mode, Low Battery, UPS Fault, Overload					
COMMUNICATION							
POWER MANAGEMENT SOFTWARE		Support Window Family, Linux & MAC					
INTERFACE		USB & RS-232 Communication Port					
INTELLIGENT SLOT		AS 400 / SNMP (Optional)					
SURGE PROTECTION & FILTERING							
SPIKE, SURGE & LIGHTNING PROTECTION		Yes					
OVERLOAD, SHORT CIRCUIT PROTECTION		Yes					
PHYSICAL							
OPERATING ENVIRONMENT		0-40°C, 20 - 90% Relative Humidity (Non-Condensing)					
NOISE LEVEL		< 50dBA @ 1 Meter					
STANDARD MODEL	DIMENSION (DxWxH)mm	410 x 438 x 88 (2U)	410 x 438 x 88 (2U)	510 x 438 x 88 (2U)	630 x 438 x 88 (2U)	630 x 438 x 88 (2U)	
	WEIGHT (KG)	11.6	14.2	14.5	19.5	26.9	27.4
KS MODEL	DIMENSION (DxWxH)mm	410 x 438 x 88 (2U)	410 x 438 x 88 (2U)	410 x 438 x 88 (2U)	410 x 438 x 88 (2U)	410 x 438 x 88 (2U)	
	WEIGHT (KG)	6.4	6.4	6.5	6.5	6.5	10.5
SAFETY STANDARD							
PROTECTION		IP 20					
UPS SAFETY		IEC/ EN 62040-1					
EMC		IEC/ EN 62040-2					
UPS PERFORMANCE TEST		VFI-SS-111 in accordance with IEC / EN 62040-3					
UPS COMPLIANCE		CE					
WARRANTY							
UPS WARRANTY		3 Years Full Warranty Include Parts & Labour. 2 Years Warranty for Battery					

*Specification subjects to change without prior notice