



10KVA/15KVA/20KVA/30KVA

PowerBridge PRO RT Series True Double Conversion Online UPS

The PowerBridge Pro RT series is a true double conversion online single-phase UPS that comes in tower and rackmount 2-in-1 convertible design. This series comes with an output power factor of 1.0 and is available in a compact 3U size module.

The PowerBridge Pro RT series comes with a 3.5" touch screen LCD display. The auto-rotating LCD screen ensures proper viewing orientation for users monitoring the UPS system for 10KVA-30KVA models. The UPS output is adjustable from 3 Phase to 1 Phase.

The PowerBridge Pro RT comes with USB and RS-232 communication ports, as well as an intelligent slot for additional adapters, protocol converters, and relay contact cards.

Features

- Tower / Rackmount Type Design
- 3.5" Touch Screen LCD Display
- LCD Screen Auto-Rotation with Rack Position (10K-30K Models only)
- Adjustable Output 31/33 (10K-20K) Configuration and 33 (30K-60K) Configuration
- DSP Technology Guarantees High Reliability
- Output Power Factor 1.0
- Active Power Factor Correction in all Phases
- ECO Mode Function for Energy Saving
- Emergency Power Off Function (EPO)
- Generator Compatible
- Supports Dual AC Inputs
- Optional Parallel Redundant Configuration (Up to 4 units)
- Optional Isolation Transformer Offer Full Isolation & Complete Common Mode Noise
- Comes with USB Port, RS-232 Communication Power, SNMP Slot & Power Management Software



Telecom Network System



Data Center



Healthcare



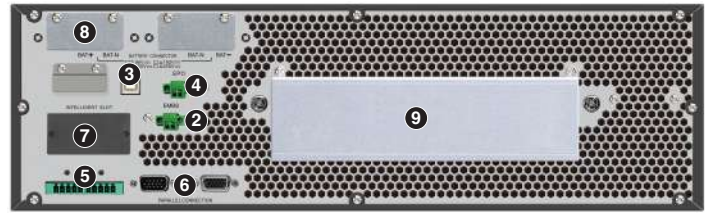
Mission Critical Equipment



40KVA / 60KVA

Front & Rear Panel

10KVA - 30KVA



PowerBridge PRO RT 15KRS / 20KRS / 30KRS

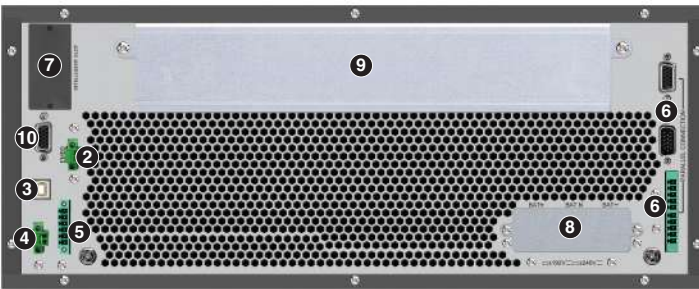


PowerBridge PRO RT 10KRS

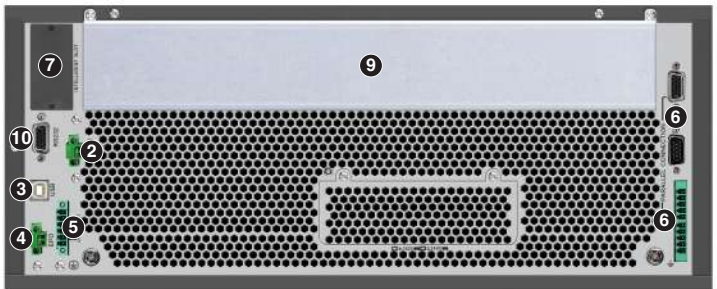
1. Power ON Button
2. External Maintenance Bypass Switch Port
3. USB Communication Port
4. Emergency Power Off Connector (EPO)
5. Share Current Port (Optional)
6. Parallel Port (Optional)
7. Intelligent Slot
8. External Battery Connector
9. Input/Output/Bypass Terminal

Front & Rear Panel

40KVA - 60KVA



PowerBridge PRO RT 40KRS



PowerBridge PRO RT 60KRS

1. Power ON Button
2. External Maintenance Bypass Switch Port
3. USB Communication Port
4. Emergency Power Off Connector (EPO)
5. Share Current Port (Optional)
6. Parallel Port (Optional)

7. Intelligent Slot
8. External Battery Connector
9. Input/Output/Bypass Terminal
10. RS 232 Communication Port

Technical Specification:

MODEL	PowerBridge PRO RT 10KRS	PowerBridge PRO RT 15KRS	PowerBridge PRO RT 20KRS
CAPACITY (KVA/KW)	10KVA / 10KW	15KVA / 15KW	20KVA / 20KW
PHASE	3-Phase In / 1-Phase Out or 3-Phase In / 3-Phase Out		
PARALLEL CAPABILITY	4		
INPUT			
NOMINAL VOLTAGE	3 x 400 VAC (3Ph+N) or 208*/220/230/240 VAC (Ph-N)		
VOLTAGE RANGE	190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 100% load		
FREQUENCY RANGE	46Hz ~ 54Hz or 56Hz ~ 64Hz		
INPUT POWER FACTOR	≥ 0.99 @ 100% Load		
OUTPUT			
OUTPUT VOLTAGE	3 x 360*/380/400/415 VAC (3Ph+N) or 208*/220/230/240 VAC (Ph-N)		
OUTPUT POWER FACTOR	1.0		
VOLTAGE REGULATION (Batt. Mode)	± 1%		
FREQUENCY RANGE (Synchronized Range)	46Hz ~ 54Hz or 56Hz ~ 64Hz		
FREQUENCY RANGE (Batt. Mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz		
CURRENT CREST RATIO	3 : 1		
TOTAL HARMONIC DISTORTION (THDv)	≤ 2% @ Linear Load ; ≤ 5% @ Non-Linear Load		
WAVEFORM	Pure Sinewave		
TRANSFER TIME (AC Mode to Battery Mode)	Zero		
TRANSFER TIME (Inverter to Bypass)	Zero		
OUTPUT SOCKET	Hard-Wiring (Terminal Block)		
OVERLOAD (AC Mode)	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately		
OVERLOAD (Battery Mode)	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately		
EFFICIENCY			
AC MODE	95.5%		
ECO MODE	98.5%		
BATTERY MODE	94.5%		
BATTERY			
BATTERY TYPE	Depending on the applications		
BATTERY NUMBERS	20 pcs	32~40 pcs (Adjustable)	
CHARGING CURRENT	1A~12A(Adjustable)		
CHARGING VOLTAGE	+/- 13.65 VDC x N (N=10)	+/- 13.65 VDC x N (N=16~20)	
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, < 95% Relative Humidity (Non-Condensing)		
NOISE LEVEL	Less than 62dBa @ 1 Meter	Less than 65dB @ 1 Meter	
DIMENSION (DxWxH)mm	680 x 438 x 133 (3U)		
WEIGHT (KG)	26	28	
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	2 Years Full Warranty Include Parts, Labour & Battery		

*Specification subjects to change without prior notice





Technical Specification:

MODEL	PowerBridge PRO RT 30KRS	PowerBridge PRO RT 40KRS	PowerBridge PRO RT 60KRS
CAPACITY (KVA/KW)	30KVA / 30KW	40KVA / 40KW	60KVA / 60KW
PHASE	3-Phase In / 3-Phase Out		
PARALLEL CAPABILITY	4		
INPUT			
NOMINAL VOLTAGE	3 x 400 VAC (3Ph+N) or 208*/220/230/240 VAC (Ph-N)		
VOLTAGE RANGE	190-520 VAC (3-phase) @ 50% load 305-478 VAC (3-phase) @ 100% load		
FREQUENCY RANGE	46Hz ~ 54Hz or 56Hz ~ 64Hz		
INPUT POWER FACTOR	≥ 0.99 @ 100% Load		
OUTPUT			
OUTPUT VOLTAGE	3 x 360*/380/400/415 VAC (3Ph+N)		
OUTPUT POWER FACTOR	1.0		
VOLTAGE REGULATION (Batt. Mode)	± 1%		
FREQUENCY RANGE (Synchronized Range)	46Hz ~ 54Hz or 56Hz ~ 64Hz		
FREQUENCY RANGE (Batt. Mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz		
CURRENT CREST RATIO	3 : 1		
TOTAL HARMONIC DISTORTION (THDv)	≤ 2% @ Linear Load ; ≤ 5% @ Non-Linear Load		
WAVEFORM	Pure Sinewave		
TRANSFER TIME (AC Mode to Battery Mode)	Zero		
TRANSFER TIME (Inverter to Bypass)	Zero		
OUTPUT SOCKET	Hard-Wiring (Terminal Block)		
OVERLOAD (AC Mode)	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately		
OVERLOAD (Battery Mode)	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately		
EFFICIENCY			
AC MODE	95.5%		
ECO MODE	98.5%		
BATTERY MODE	94.5%		
BATTERY			
BATTERY TYPE	Depending on the applications		
BATTERY NUMBERS	32~40 pcs (Adjustable)		
CHARGING CURRENT	1A~12A(Adjustable)	1A~16A(Adjustable)	1A~18A(Adjustable)
CHARGING VOLTAGE	+/- 13.65 VDC x N (N=16~20)		
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, < 95% @ Relative Humidity (Non-Condensing)		
NOISE LEVEL	Less than 65dBA @ 1 Meter	Less than 70dB @ 1 Meter	
DIMENSION (DxWxH)mm	680 x 438 x 133 (3U)	797 x 438 x 176 (4U)	
WEIGHT (KG)	35	40	45
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	2 Years Full Warranty Include Parts, Labour & Battery		

*Specification subjects to change without prior notice

