



PowerBridge T3 Series

True Double Conversion Online UPS

The PowerBridgeT3 series is a tower type design with a true double conversion online three-phase UPS system. This series comes with an output power factor of 1.0 ensures high efficiency and performance.

Digital Signal Processor (DSP) technology digitizes the data and mathematically manipulates it to provide maximum protection to powered loads. This UPS also comes with 3-stage extendable charging design to optimize battery performance. Its highly flexible design allows dual input to support various input configuration.

The PowerBridge T3 series system is designed to provide clean, high-quality power to mission-critical applications and equipment.

Features

- 4.3"/5" Touch Screen LCD Display (60KVA Model)
- 7" Touch Screen LCD Display (100KVA - 200KVA Model)
- Output Power Factor - 1.0
- Pluggable Power Module Design
- Front Access Design for Easy Maintenance
- Active Power Factor Correction in All Phases
- 3-stage Extendable Charging Design
- Parallel Operation up to 6 units with common battery
- Power Walk-In Function
- Maintenance Bypass Available
- Optional Isolation Transformer offers full Isolation and Complete Common Mode Noise Rejection
- Comes with USB Port, RS-232 Communication Port, SNMP Slot & Power Management Software



Telecommunication
Facilities



Data Center



Automation
Equipment



Airport Traffic
Control Tower



Features

Touch Screen LCD Panel

- Customized Logo & Start Up Music
- Dynamic Password Optimize Optimize Performance
- Adjustable Charging Current via LCD Panel
- Voice control for Warning / Error Codes

Pluggable Power Module
for Effortless Maintenance

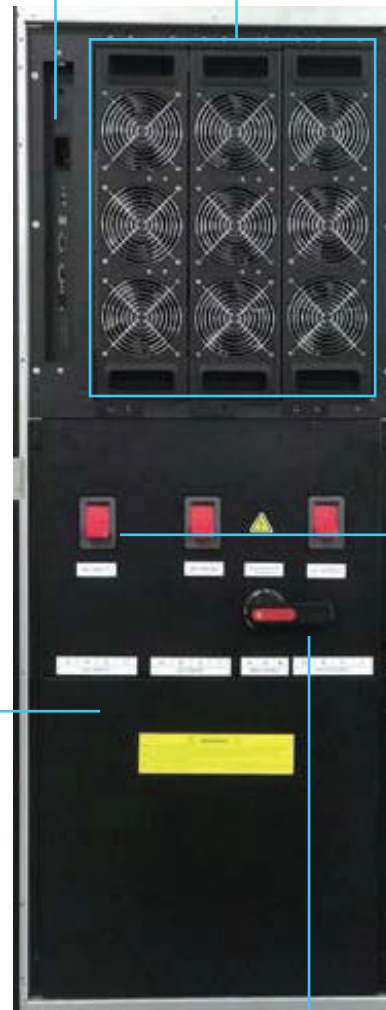
Multiple Communication
Ports

Parallel operation
up to 6 units
with common
battery

Security
Lock

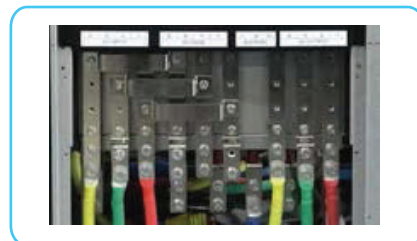


Front View



Maintenance Bypass
Switch

AC Input Switch/
Bypass Switch /
AC Output Switch



Removable Cover
Front Access Design 'for
Terminal Wiring & Easy Maintenance

Front & Rear Panel

60KVA - 200KVA



PowerBridge T3 60KVA

1. Touch Screen LCD Panel
2. RS-232 Communication Port
3. USB Communication Port
4. Emergency Power Off (EPO) Connector
5. Share Current Port
6. Parallel Port
7. Intelligent Slot
8. External Battery Connector / Terminal
9. Line Input Circuit Breaker / Switch
10. Maintenance Bypass Switch
11. Input/Output Terminal
12. Line Input Terminal
13. Output Terminal
14. Input Grounding Terminal
15. Output Grounding Terminal
16. Bypass Input Circuit Breaker / Switch
17. Bypass Input Terminal
18. Output Switch
19. Cold Start Function Button
20. Dry Contact Communication Port



PowerBridge T3 100KVA - 200KVA



Technical Specification:

MODEL	PowerBridge T3 60KS	PowerBridge T3 100KS	PowerBridge T3 120KS	PowerBridge T3 160KS	PowerBridge T3 180KS	PowerBridge T3 200KS
CAPACITY (KVA/KW)	60KVA / 60KW	100KVA / 100KW	120KVA / 120KW	160KVA / 160KW	180KVA / 180KW	200KVA / 200KW
PHASE	3-Phase In / 3-Phase Out					
PARALLEL CAPABILITY	6					
INPUT						
NOMINAL VOLTAGE	3 x 380/400/415 VAC (3Ph+N)					
VOLTAGE RANGE	-30% ~ +20%					
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)	≤ 1% @ Linear Load ; ≤ 3% @ 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%: 60min; 111%~125%: 10min; 126%~150%: 1min; >150%: 400ms					
OVERLOAD (Battery Mode)	100%~110%: 60min; 111%~125%: 10min; 126%~150%: 1min; >150%: 400ms					
BYPASS						
NOMINAL VOLTAGE	3 x 380/400/415 VAC (3Ph+N)					
VOLTAGE RANGE	-30% ~ +20% (Adjustable)					
FREQUENCY RANGE	46Hz ~ 54Hz or 56Hz ~ 64Hz					
OVERLOAD CAPACITY	> 130% 1 minute (default) ; Continously working until breaker protection (optional)					
EFFICIENCY						
AC MODE	96.0%					
ECO MODE	99.0%					
BATTERY MODE	96.0%					
BATTERY						
BATTERY TYPE	Depending on the capacity of the external batteries					
NUMBERS	32 - 40pcs (Adjustable)					
BACKUP TIME	Depending on the capacity of the external batteries					
RECHARGE TIME						
CHARGING CURRENT	1A ~ 20A (Adjustable)	2A ~ 40A (Adjustable)		3A ~ 60A (Adjustable)		
CHARGING VOLTAGE	± 13.65V x N (N = 16-20)					
STATUS INDICATION						
LCD DISPLAY	4.3"/5" Touch Screen LCD Panel	7" Touch Screen LCD Panel				
	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)					
PHYSICAL						
OPERATING ENVIRONMENT	0-40°C, 0 - 95% Relative Humidity (Non-Condensing)					
NOISE LEVEL	<65dB @1 Meter	< 70dB @ 1 Meter				
DIMENSION (DxWxH)mm	815 x 300 x 1000	974 x 600 x 1600				
WEIGHT (KG)	74	241	286			382
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

