

PowerBridge LB Series

True Online Double Conversion Lithium Iron Phosphate UPS

Lithium iron phosphate (LiFePO₄) is a game-changing technology when it comes to UPS batteries. When compared to traditional valve-regulated-lead-acid (VRLA) batteries, Lithium iron phosphate (LiFePO₄) batteries have higher power density, last about twice as long (or longer), recharge much faster, and can withstand up to ten times more discharge cycles.

PowerBridge LB Series, True Online Double Conversion UPSs have twice the life of lead-acid batteries and a lower total cost of ownership, making them perfect for server rooms, network closets, and other distributed IT applications.



Features

- 19" Rackmount Type Design
- Generator Compatible
- Faster Recharge Time
- Charging Current Selectable Through LCD
- Input Power Factor Correction
- Longer Backup Time
- Easy Battery Replacement Design
- Long Battery Lifecycle > 2000
- Built-in Protection Circuit in Battery pack with UL 1973 (MH63914) certified
- UN38.3 Approval
- 5 Years Warranty for Parts, Labour & Battery



Data centers



Telecom systems



Computer rooms



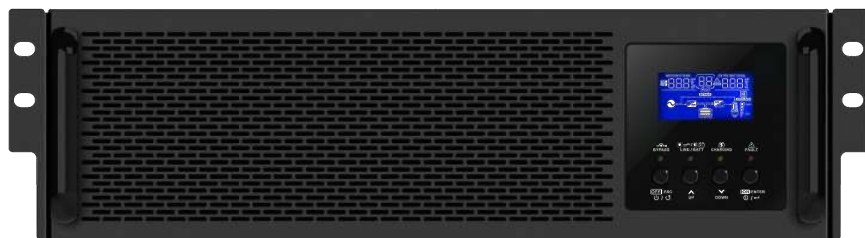
Financial systems



Precision instruments



Intelligent equipment



Key Advantages

Lithium Iron Phosphate Battery Technology

Lithium iron phosphate has excellent thermal and chemical stability, the battery remains cool even at high temperatures.

19" Rackmount Design

Suitable for horizontal rack installation.

Lower Total Cost of Ownership (TCO)

Long battery life cycle >2000, resulting in TCO savings of up to 50% or more when compared to VRLA batteries.

Safety Standard

Built-in Battery for PowerBridge LB Series are certified to safety standard complying with UL 1973 and UN38.3

Rear Panel

5KVA



PowerBridge LB Series 5KVA

- 1. LCD Display
- 2. Status Indicator
- 3. EPO Connector
- 4. RS-232 Communication Port
- 5. USB Communication Port
- 6. Parallel Connection

- 7. Intelligent Slot
- 8. Input Circuit Breaker
- 9. AC Input / Output Terminal
- 10. Battery Input
- 11. Cooling Fan

*Specification subjects to change without prior notice

Technical Specification:

MODEL	PowerBridge LB Rack 5KL
CAPACITY (KVA/WATTS)	5KVA / 5000W
INPUT	
NOMINAL VOLTAGE	220 / 230 / 240VAC
VOLTAGE RANGE	110 - 280VAC (Based on load at 50%)
FREQUENCY RANGE	46Hz ~ 54Hz or 56Hz ~ 64Hz
PHASE	Single Phase with Ground
INPUT POWER FACTOR	≥ 0.98 @ nominal voltage (100% Load)
THDI	8%
OUTPUT	
OUTPUT VOLTAGE	220 / 230 / 240VAC
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)	≤ 3% THD (Linear Load); ≤ 5% THD (Non-Linear Load)
WAVEFORM	Pure Sinewave
TRANSFER TIME (AC to Battery Mode)	Zero
TRANSFER TIME (Inverter to Bypass)	4ms (Typical)
EFFICIENCY	
LINE MODE	93%
ECO MODE	99.5%
BATTERY MODE	91%
BATTERY	
BATTERY VOLTAGE	48 VDC
FLOATING CHARGE VOLTAGE	54.6 VDC
OVERCHARGE PROTECTION	60 VDC
CHARGING CURRENT (MAX)	50A
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 Windows Family, Linux & MAC
INTERFACE	USB & Smart RS-232 Communication Port
INTELLIGENT SLOT	AS400 / SNMP (Optional)
PHYSICAL	
OPERATING ENVIRONMENT	0-50°C , 0-95% Relative Humidity (Non-Condensing)
NOISE LEVEL	Less than 60dBA @ 1 Meter
DIMENSION (D x W x H)mm	489 x 465 x 132
WEIGHT (KG)	17
WARRANTY	
UPS WARRANTY	5 Years Full Warranty Include Parts, Labour & Battery

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