

Micro-BDCBB

-48V DC Battery Distribution Circuit Breaker Bay



- Ideal for customer premise power applications
- Digital meter interface
- 600 Amp capacity panels in a compact 4 RU size
- Small power distribution from battery plant to load equipment

Overview

The Lineage Power Micro-BDCBB serves as a secondary power distribution center for -48 V DC power delivered from a battery plant to the load equipment. The configuration is versatile with fuse or circuit breakers options, single or dual (A/B) load bus, and 600A carrying capacity per panel. A digital meter monitors voltage and current of each load bus.

Fuse / Circuit Breaker Panels

Distribution protector options include:

- 6 position GMT bullet fuseholder
- 6 position 0-125A TPS/TLS fuseholder
- 14 position 0-250A circuit breakers for 19" wide panels
- 22 position 0-250A circuit breakers for 23" wide panels

VIM 1 Intelligent Meter

The VIM 1 digital meter includes an audible alarm with a user configurable on/off feature. There is a form-C relay for each of the three alarms for remote monitoring - power loss/under voltage, current overload/threshold exceeded, and blown fuse/breaker trip. There are two RJ45 type connectors on the board that allow multiple VIM 1 boards to be daisy chained together for network connectivity.

Benefits

Reliability

- Delivers decades of service
- High availability architecture
- NEBS level 3 certified

Intelligence

- Industry leading digital smart monitor
- Network interface for remote access
- Visual, audible and remote alarms

Investment Protection

- Backward compatibility
- Flexible upgrade options
- Seamless integration with GPS plants

On Time Delivery

- Standard building blocks
- 4 - 6 week availability
- 24/7 support

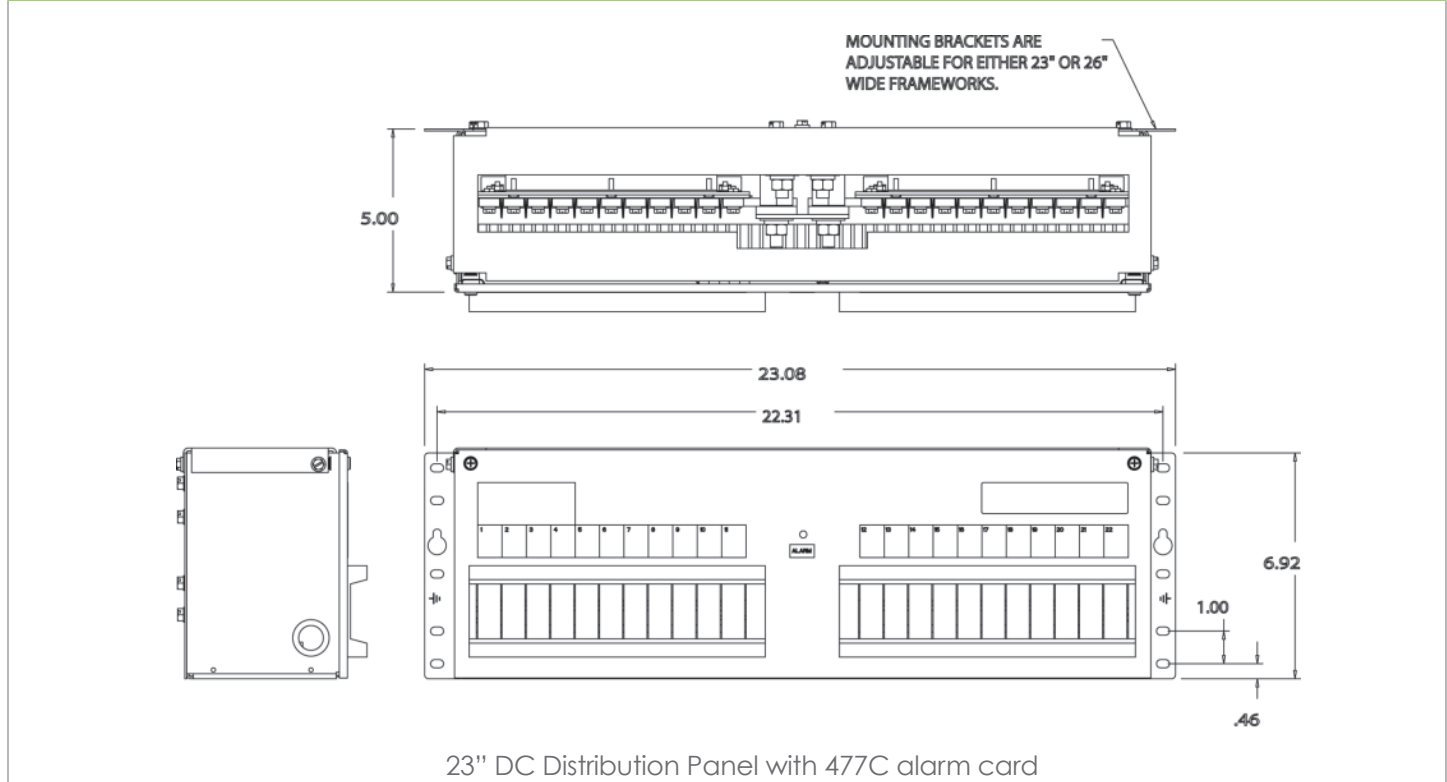
Total Efficiency

The Lineage Power Total Efficiency™ (TE) architecture reduces energy loss and lowers cooling costs by 50-70%. TE products will prioritize sustainable energy sources like solar, wind, water and fuel cells over traditional utility grid or diesel generator sources – and they will intelligently respond to smart grid information to reduce consumption during peak demand periods. Active Rectifier Management (ARM) and Battery Charging Optimization (BCO) features increase efficiency on current and legacy power infrastructures. The Total Efficiency architecture addresses issues end-to-end based on our proven experience and expertise in batteries, power distribution, DC energy systems, AC/DC power supplies, and DC/DC board mounted power to deliver a solution that is more safe, reliable and energy efficient than alternatives from our competitors.

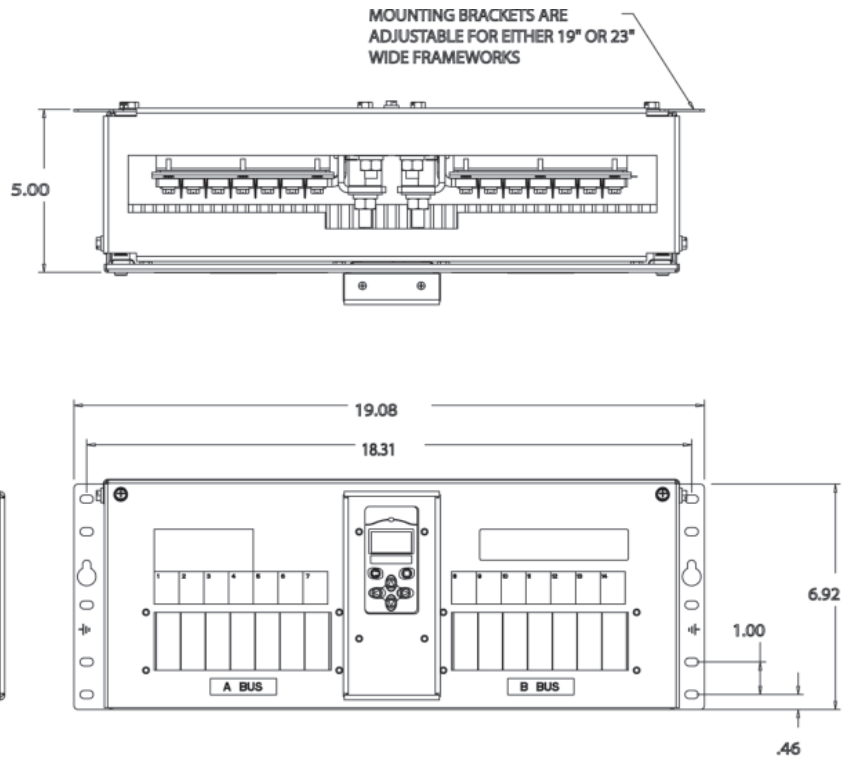
Specifications

7Ft Cabinet	
Height	7 in. (175.7mm)
Width	19 in. (484mm) or 23 in. (586mm)
Depth	5 in. (127mm)
Weight	Approx 15.2 lbs (7kg)
Agency Certifications	
Telcordia	NEBS level 3 Compliant
UL	Canada/US UL60950/UL1801
CE	CE mark
EMI/EMC	CISPR class A conducted and radiated

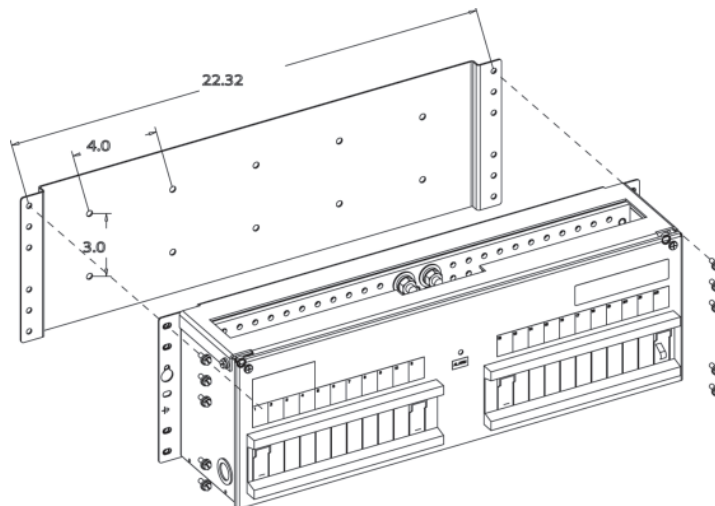
Outline Drawing



Outline Drawings

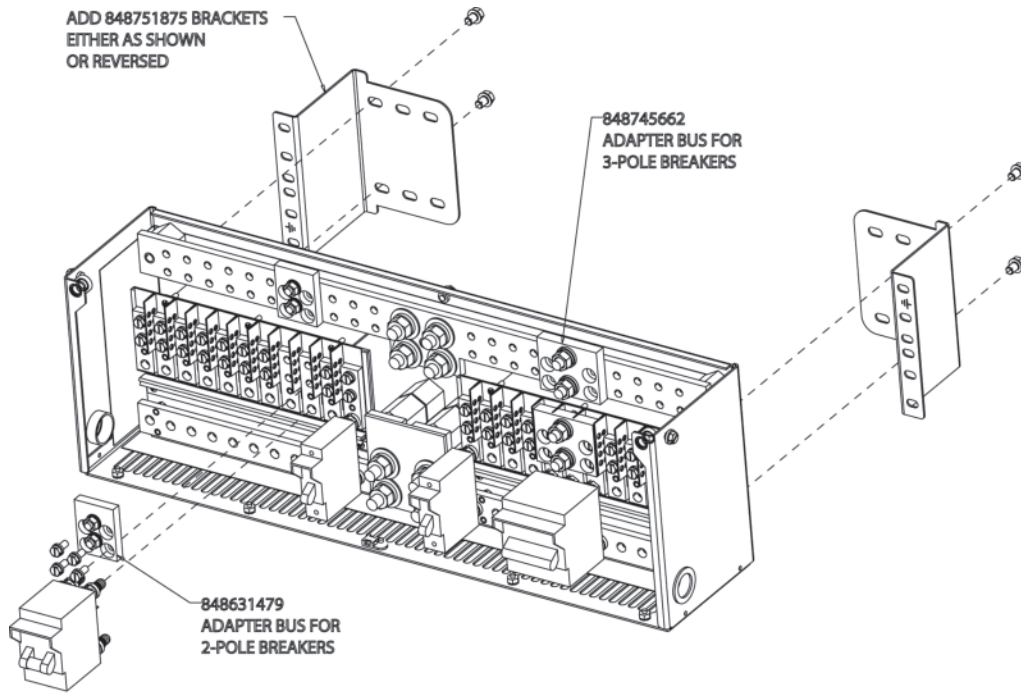


19" Micro-BDFB with smart meter



CC848786401 Wall Mounting Bracket for any Panel

Outline Drawings






Accessory Items for ED83368-30 Panels

Secondary DC Distribution (BDCBB) Ordering Information

Step 1: Select Micro-BDCBB Panel	
Description	Ordering Comcode
Group 1: 23" distribution panel, single or dual bus, no shunt, no meter, 22 breaker/fuse positions	108991056
Group 2: 23" Micro-BDCBB, dual bus, dual shunt, smart meter, 22 breaker/fuse positions	CC109145463
Group 3: 19" distribution panel, single or dual bus, no shunt, no meter, 14 breaker/fuse positions	108992070
Group 4: 19" Micro-BDCBB, dual bus, dual shunt, smart meter, 14 breaker/fuse positions	CC109145455
Group 6: 23" Micro-BDCBB, single bus, single shunt, smart meter, 22 breaker/fuse positions	CC109145430
Group 8: 19" Micro-BDCBB, single bus, single shunt, smart meter, 14 breaker/fuse positions	CC109145447
Bracket for mounting panels to a wall.	CC848786401
Bracket for staggering multiple panels for cable access. (Order two per panel)	848751875

Step 2: Select Circuit Breakers and Accessories				
Bullet Style Load Circuit Breakers Ordering #	Amperage	CB Positions (Poles)	Min. Wire Gauge	Photo
407998137	3	1	10	
407998145	5	1	10	
407998152	10	1	10	
407998160	15	1	10	
407998178	16	1	10	
407998186	20	1	10	
407998194	25	1	10	
407998202	30	1	10	
408213486	40	1	8	
407998210	45	1	8	
407998228	50	1	6	
407998236	60	1	6	
407998244	70	1	2	
407998251	80	1	2	
407998269	90	1	2	
CC848808551	100	2	2	
408185353	125	2	2	
408185346	150	2	1/0	
408564941	200	3	2/0	
408573975	225	3	4/0	
408535752	250	3	4/0	
848631479	2-pole adapter bus kit (includes bus for 1/4" hole lug on 5/8" centers and hardware), order two per breaker			
848745662	3-pole adapter bus kit (includes bus for 5/16" hole lug on 1" centers and hardware), order two per breaker			

Bullet Style Fuse Holder and TPS/TLS Fuses		
Ordering #	Amperage	Photo
406700567	3	
406700583	5	
406700591	6	
406700609	10	
406700617	15	
406700625	20	
406700633	25	
406700641	30	
406700658	40	
406700674	50	
406700682	60	
406700690	70	
CC408618020	80	
CC408618037	90	
CC408618045	100	
CC408618061*	125	
402328926	0.18 Alarm Fuse	
408548944	Bullet Fuse Holder, TFD-101-011-09 (Alarms on Blown Fuse or Fuse Head Removal)	
CC408617410	Bullet Fuse Holder, TFD-101-011-10 (Alarms on Blown Fuse Only)	
Bullet Style GMT Fuse Holder and GMT Fuses		
405006222	0.25A	
406976894	0.5A	
405673146	1.33A	
405181983	2A	
406976985	3A	
406159061	5A	
405725433	7.5A	
406159236	10A	
406473959	12A	
CC109103157	6-pos GMT Bullet Fuse Holder, requires 2 positions	
408515823	Fuse Puller	

Misc Replacement Parts	Ordering Comcode
Digital Meter Replacement	CC109144812

* Maximum of 3 125A fuses per side. A space must be left between each fuse.

Notes:

Area with horizontal dotted lines for taking notes.

Management Visibility

Galaxy Manager™ software is the centralized visibility and control component of a comprehensive power management system designed to meet engineering, operations and maintenance needs. The Galaxy Manager client-server architecture enables remote access to system controllers across the power network.

- Dashboard display with one-click access to management information database
- Trend analysis
- Scheduled or on demand reports
- Fault, configuration, asset, and performance management

Training

Lineage Power offers on-site and classroom training options based on certification curriculum. Technical training can be tailored to individual customer needs. Training enables customers and partners to more effectively manage and support the power infrastructure. We have built our training program on practical learning objectives that are relevant to specific technologies or infrastructure design objectives.

Service & Support

Lineage Power field service and support personnel are trusted advisors to our customers – always available to answer questions and help with any project, large or small. Our certified professional services team consists of experts in every aspect of power conversion with the resources and experience to handle large turnkey projects along with custom approaches to complex challenges. Proven systems engineering and installation best practices are designed to safely deliver results that exceed our customers' expectations.

Warranty

Lineage Power is committed to providing quality products and solutions. We have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired or replaced as soon as possible.

The Secondary DC Distribution comes with a two year hardware warranty. For full warranty terms and conditions please go to www.lineagepower.com/warranty.

Contact Us

For more information, call Lineage Power toll free at **877-LINEAGE (877-546-3243)**, or +1 972 244 9288 and visit us on the Web at lineagepower.com

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