

DC Power Distribution Center



Unit Shown: LMDC-600-48V-1T-2-2

The LMDC (La Marche Distribution Center) is designed to work with LMHF rectifiers. It combines the load distribution breakers, current shunts, LVLD (Low Voltage Load Disconnect) ground and charge bus bars into one compact unit. The LMDC is offered in two configurations; a single breaker tier (row) configuration or two breaker tier configuration. The distribution breaker bus is rated at 600A per tier. Each breaker is equipped with 20 plug-in distribution breaker positions and contactor (LVLD) that is controlled by the LMHF controller. One tier of breakers may be setup with most the critical loads and the other with the less critical loads. This allows you to shed the load by eliminating the less critical and keeping the most critical loads running, thus conserving and extending your battery energy usage. To simplify the installation, this distribution center utilizes plug in type breakers.

Another advantage of this versatile product is that the main charge and ground bus are rated so that it can support up to three LMHF (48V) rectifier shelves or two (24V) rectifier shelves. This allows for easy expansion in case the rectifier capacity needs to be increased. All you need to do is add a second or third shelf without needing to resize the system main bus work.

Standard Features

- Front Customer Access
- Plug-In Breakers
- 23" Rack Mounting (Center)
- Two Controller Configurations (Built-In or External)
- Customer Alarm Interface (LMHF I/O For use with Shelf Mounted Controller)
- Available in 24V or 48V
- Top Cable Access
- LVLD Contactor (One Per Tier)
- LVLD Bypass Switch
- 6 RU for One Tier, 9 RU for Two Tier

Model Number	Tiers	Breaker Positions	Overall Dimensions W x D x H	Mounting	RU's	Unpackaged
LMDC-600-48V-1T-1- 1	One	20	20.81" x 17.5" x 10.5" 219 x 689 x 413 mm	23"	6	56 lbs
LMDC-600-48V-1T-2- 2	One	20	20.81" x 17.5" x 10.5" 219 x 689 x 413 mm	23"	6	63 lbs
LMDC-1200-48V-2T-1- 3	Two	40	20.81" x 17.5" x 15.75" 219 x 689 x 597 mm	23"	9	95 lbs
LMDC-1200-48V-2T-2- 4	Two	40	20.81" x 17.5" x 15.75" 219 x 689 x 597 mm	23"	9	102 lbs
LMDC-600-24VN-1T-1- 5	One	20	20.81" x 17.5" x 10.5" 219 x 689 x 413 mm	23"	6	56 lbs
LMDC-600-24VN-1T-2- 6	One	20	20.81" x 17.5" x 10.5" 219 x 689 x 413 mm	23"	6	63 lbs
LMDC-1200-24VN-2T-1- 7	Two	40	20.81" x 17.5" x 15.75" 219 x 689 x 597 mm	23"	9	95 lbs
LMDC-1200-24VN-2T-2- 8	Two	40	20.81" x 17.5" x 15.75" 219 x 689 x 597 mm	23"	9	102 lbs

Breaker Kits:

SP4K - LMDC - () B1

Breaker Current Rating

Available Breaker Current Ratings:

1A, 2A, 3A, 5A, 10A, 15A, 20A, 25A, 30A, 35A, 40A
50A, 60A, 70A, 80A, 100A, 125A, 150A, 200A

Breaker Positions Request:

1A - 100A = 1 Position
125A - 150A = 2 Positions
200A = 3 Positions



LMDC / LMHF Union Bus Kit

- LMDC-SB1-KIT use with One LMHF Shelf
- LMDC-SB2-KIT use with Two LMHF Shelves
- LMDC-SB3-KIT use with Three LMHF Shelves



Single tier LMDC with built in LMHF Controller



Two tier LMDC for use with shelf mounted LMHF Controller

Model Number Nomenclature

LMDC - 600 - 48V - () - () - () - ()



DC Current Rating	System Ground	DC Volts	Number of Tiers	Controller Type
600A (One Tier Only)	N = Negative Ground	24V	1T = One Tier	1 = Shelf Mounted Controller
1200A (Two Tier Only)	Note: Positive Ground is Standard Unless "N" is Entered for Negative Ground	48V	2T = Two Tiers	2 = Built - In - Controller

Ordering Information

When Ordering, Please Specify:

- La Marche Model Number LMDC
- DC Amps
- DC Volts
- System Ground
- Number of Tiers
- Controller Type
- Optional Breaker Kits