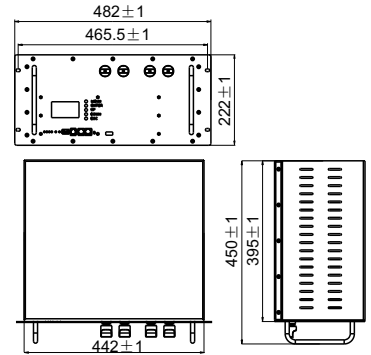


# LFeLi-48100C (48V 100Ah)

- Intra-system balancing
- Flame retardant system to UL94V-0
- Good high temperature performance
- High cycle times and long service life
- Safe Lithium Iron Phosphate Technology
- Thousands of cycles, under normal conditions
- High energy density and conversion efficiency
- Environmental Friendly, without any heavy metals
- Complete with Battery Management System built-in
- Can use most standard VRLA chargers for this system
- Low self discharge rate of 2 years before required recharging
- Easy installation, can be in 19-inch standard cabinet or be wall-mounted
- Built-in automatic protection for over-charge, over-discharge & over-temperature conditions



## Dimensions-mm



## Characteristic

| Item                              | Specification  |                           |
|-----------------------------------|--|---------------------------|
| Model                             | LFeLi-48100CA  | LFeLi-48100CB             |
| Rated Capacity (5HR)              | 100 AH   | 100 AH                    |
| Nominal Voltage                   | 48.0 V   | 48.0 V                    |
| Discharge Ending Voltage          | 40.5 V   | 40.5 V                    |
| Charging Limited Voltage          | 54.0 V   | 54.0 V                    |
| Max. Charging Current             | 100 A  | 100 A                     |
| Max. Continue Discharging Current | 100 A  | 100 A                     |
| Weight                            | Approx. 62 Kg  | Approx. 62 Kg             |
| Display                           | Without a display screen   | With a LCD display screen |
| Parallel Connection               | Parallel connection is optional (up to 16P). When paralleling, the max. charging current is 20A. |                           |
| Dimensions (W*D*H) mm (inches)    | 442 (17.40") * 395 (15.56") * 222 (8.74")  |                           |
| Containing Cell                   | 3.2V 50AH  |                           |
| Design life                       | More than 12 years   |                           |
| Cycle Life                        | More than 3500 cycles at 100% DOD.   |                           |
| IP Class                          | IP30   |                           |
| Outer Package Material            | Black bake lacquer steel case (battery rack or cabinet is optional)                              |                           |
| Operating Temperature             | Charging: 0 to +45°C    Discharging: -20 to +60°C    Storage: -20 to +60°C                       |                           |

## Discharge Table

| Constant Current Discharge Table (Amperes) at 25°C |                                 |     |      |      |      |      |      |
|--|---------------------------------|-----|------|------|------|------|------|
| Model  | Voltage \ Time                  | 1 h | 2 h  | 3 h  | 4 h  | 5 h  | 10 h |
| LFeLi-48100CA                                      | End of discharge voltage 40.5 V | 95A | 49 A | 33 A | 25 A | 20 A | 10 A |
| LFeLi-48100CB                                      | End of discharge voltage 40.5 V | 95A | 49 A | 33 A | 25 A | 20 A | 10 A |

| Constant Power Discharge Table (Watts) at 25°C |                                 |       |        |        |        |       |       |
|--|---------------------------------|-------|--------|--------|--------|-------|-------|
| Model  | Voltage \ Time                  | 1 h   | 2 h    | 3 h    | 4 h    | 5 h   | 10 h  |
| LFeLi-48100CA                                  | End of discharge voltage 40.5 V | 4560W | 2400 W | 1610 W | 1210 W | 970 W | 486 W |
| LFeLi-48100CB                                  | End of discharge voltage 40.5 V | 4560W | 2400 W | 1610 W | 1210 W | 970 W | 486 W |

