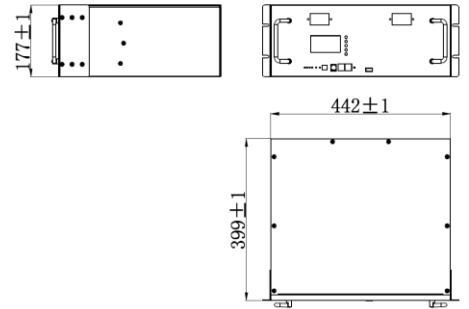


# LFELi-4875C (48V 75Ah)

## Dimensions-mm

- 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



## Characteristic

| Item                              | Specification  |                           |
|-----------------------------------|--|---------------------------|
| Model                             | LFELi-4875CA   | LFELi-4875CB              |
| Rated Capacity (3HR)              | 75 AH  | 75 AH                     |
| Nominal Voltage                   | 48.0 V   | 48.0 V                    |
| Discharge Ending Voltage          | 40.5V  | 40.5V                     |
| Charging Limited Voltage          | 54.0 V   | 54.0 V                    |
| Max. Charging Current             | 50.0 A   | 50.0 A                    |
| Max. Continue Discharging Current | 50.0 A   | 50.0 A                    |
| Weight                            | Approx. 42.0 Kg  | Approx. 42.0 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 10A. |                           |
| Dimensions (W*D*H) mm (inches)    | 440 (17.32") * 399 (15.71") * 177.5 (6.99")  |                           |
| Containing Cell                   | 3.2V 75AH  |                           |
| 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 | 1.5 h | 2 h    | 3 h  | 4 h    | 5 h  | 10 h  |
| LFELi-4875CA                                       | End of discharge voltage 40.5 V |      | 45 A  | 36.5 A | 25 A | 18.7 A | 15 A | 7.5 A |
| LFELi-4875CB                                       | End of discharge voltage 40.5 V |      | 45 A  | 36.5 A | 25 A | 18.7 A | 15 A | 7.5 A |

| Constant Power Discharge Table (Watts) at 25°C |                                 |      |        |        |        |       |       |       |
|--|---------------------------------|------|--------|--------|--------|-------|-------|-------|
| Model  | Voltage                         | Time | 1.5 h  | 2 h    | 3 h    | 4 h   | 5 h   | 10 h  |
| LFELi-4875CA                                   | End of discharge voltage 40.5 V |      | 2160 W | 1708 W | 1200 W | 900 W | 720 W | 360 W |
| LFELi-4875CB                                   | End of discharge voltage 40.5 V |      | 2160 W | 1708 W | 1200 W | 900 W | 720 W | 360 W |

