

# Lithium Iron Phosphate Battery

## SU72V100(73.6V100Ah 1C)

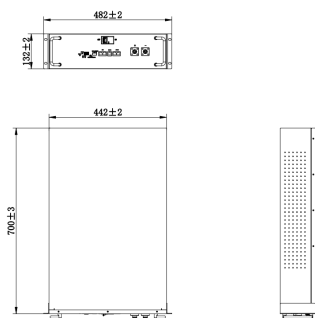


### Features Of LiFePO4 Battery

- Intrasystem balance, Safe LFP technology, Built in BMS
- The flame retardant system reaches UL94V-0
- Good high-temperature performance, high cycle times, and long service life
- Under normal circumstances, it can be cycled thousands of times
- High energy density and conversion efficiency
- Environmentally friendly, free of any heavy metals
- Flexible installation, rack mounted in 19 inch standard cabinet or Tower installation
- Built in automatic protection for overcharging, over discharging, and over temperature



### Physical Dimension-mm



### Typical Applications

- Backup power supply for communication base stations
- Emergency power supply of wire communication bureau (station) and exchange station
- Wireless communication stations, decentralized base stations
- Various specialized network communication base stations for electricity, military, and other fields
- Data transmission and television signal transmission

| Item                               | Parameters  |
|------------------------------------|---|
| Model                              | SU72V100  |
| Rated Capacity                     | 100Ah(Cell 3.2V100Ah)   |
| Nominal Voltage                    | 73.6V   |
| Discharge Ending Voltage           | 64.4V   |
| Charging Limited Voltage           | 79.35V  |
| Max. Charging/Discharge Current    | 50A/100A  |
| Weight                             | Approx.65KG   |
| Energy                             | 7360Wh  |
| Display                            | Without LCD display   |
| Max. number of parallel connection | 6   |
| Dimensions (W*D*H) mm              | 442*700*132   |
| Design Life                        | more than 15 years  |
| Cycle Life                         | > 3000 cycles ( 80% DOD,0.5C/1C )                                     |
| IP Class                           | IP20  |
| Case Material                      | Q235A   |
| Operating Temperature              | Charging: 0 to +55°C, Discharging: -10 to +60°C, Storage: -5 to +40°C |

### Constant Current Discharge Table (Amperes) at 25°C

| Voltage \ Time      | 15 Mins | 20 Mins | 30 Mins | 45 Mins | 60 Mins |
|---------------------|---------|---------|---------|---------|---------|
| discharging current | 100A    | 75A     | 50A     | 33A     | 25A     |

### Constant Power Discharge Table (Watts) at 25°C

| Voltage \ Time    | 15 Mins | 20 Mins | 30 Mins | 45 Mins | 60 Mins |
|-------------------|---------|---------|---------|---------|---------|
| discharging power | 14336W  | 12096W  | 8512W   | 5677W   | 5120W   |