

# LITHIUM BATTERIES LiFePO<sub>4</sub>

# Upower ecoline



## UE SERIES UE-24Li100



**25.6 V**



**100 Ah**

**MASTER  
BATTERY**



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zeroCO<sub>2</sub>

## PRODUCT DESCRIPTION

Lithium-ferrophosphate (LiFePO<sub>4</sub>) battery designed to replace lead-acid with better performance:

- Very high energy density and capacity.
- Longer useful life.
- Greater safety (no maintenance).
- Possibility to assemble 2 units and parallel up to 4 (2Sx4P).

## APPLICATIONS

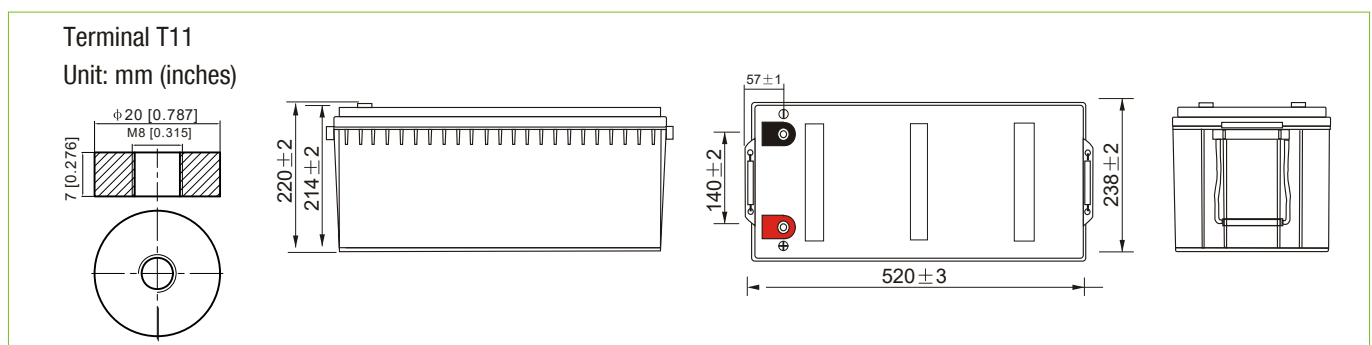
- UPS/EPS
- TELECOM
- Accumulation of solar surplus
- Autonomous mobility

## MAIN TECHNICAL SPECIFICATIONS

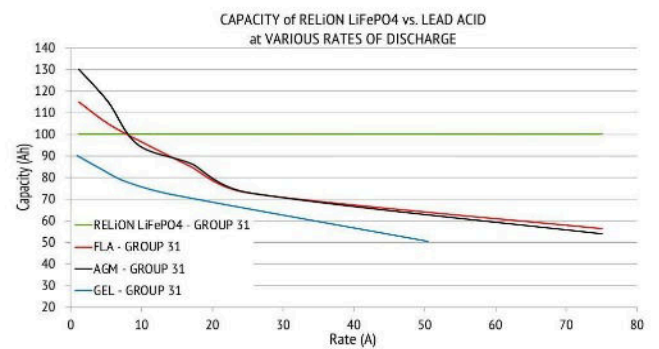
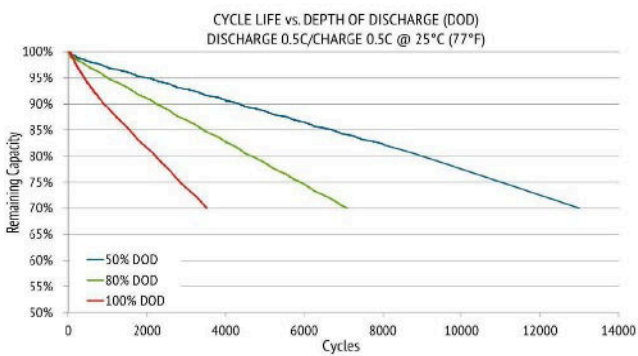
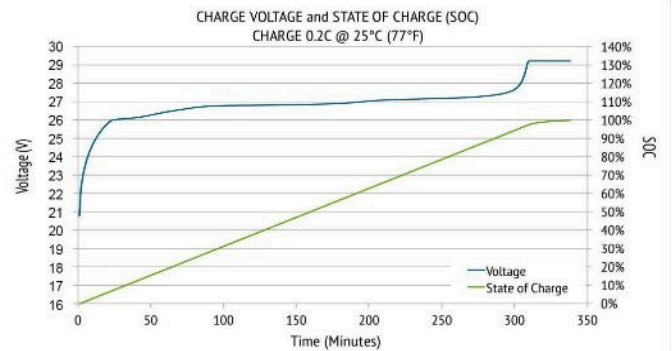
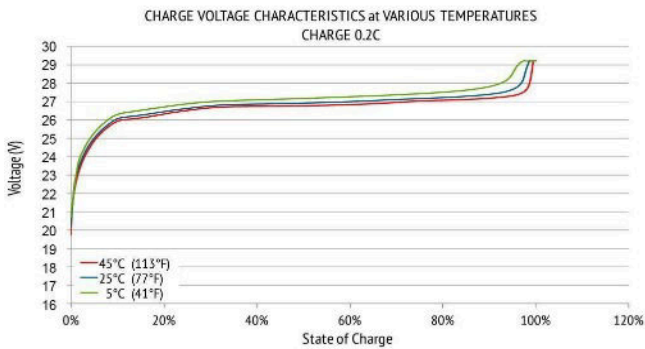
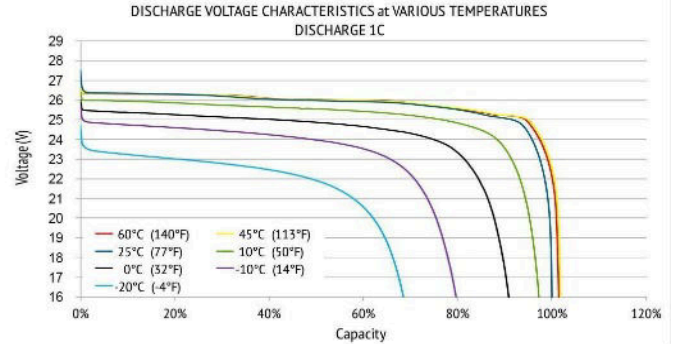
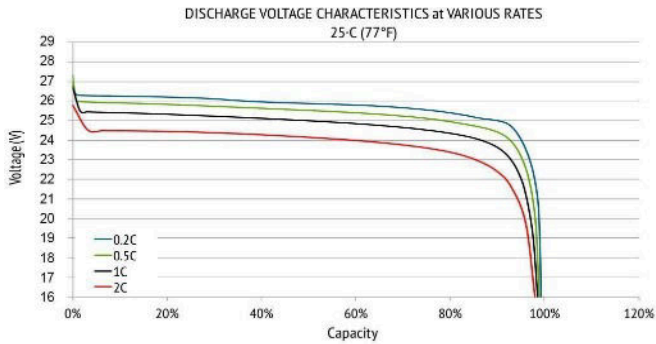
|                                |            |              |
|--------------------------------|------------|--------------|
| Rated Capacity:                |            | 100 Ah       |
| Rated Voltage:                 |            | 25.6 V       |
| Recommended Charge Current:    | (0.2 C)    | 20 A         |
| Maximum Charge Current (*):    |            | 50 A         |
| Recommended Discharge Current: | (0.2 C)    | 20 A         |
| Maximum Discharge Current (*): |            | 100 A        |
| Life Cycles:                   | (100% DoD) | 2500 cycles  |
| Operating Temperature:         | Charge:    | 0°C ~ 45°C   |
|                                | Discharge: | -20°C ~ 60°C |
| Storage Temperature:           |            | -10°C ~ 35°C |

(\*) Charging and discharging at higher than recommended currents can cause a decrease in the performance and life expectancy of the battery.

## DIMENSIONS



OPERATING CURVES



## ELECTRICAL SPECIFICATIONS

|                           |         |
|---------------------------|---------|
| Charge Voltage:           | 29,2 V  |
| Discharge Cutoff Voltage: | 20 V    |
| Internal Resistance:      | ≤ 10 mΩ |

## OTHER SPECIFICATIONS

|                         |                    |
|-------------------------|--------------------|
| Dimensions (L x W x H): | 520 x 238 x 220 mm |
| Weight:                 | Approx. 19 kg      |
| Output Connector:       | M8                 |

## PROTECTIONS

- Overload Protection
- Overload Protection
- Load/Discharge Overvoltage Protection
- Short Circuit Protection
- Excessive Temperature Protection

## CERTIFICATIONS

UN 38.8 MSDS , DG certificate, CE

