

LITHIUM BATTERIES  
 $\text{LiFePO}_4$

**U**power  
ecoline



UE SERIES  
**UE-FT-12Li100**



**12.8 V**



**100 Ah**

**MASTER  
BATTERY**



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zeroCO<sub>2</sub>

# UE-FT-12Li100

# UE SERIES

## 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).
- Parallelisable and can be assembled up to 4 units (4x4).

## APPLICATIONS

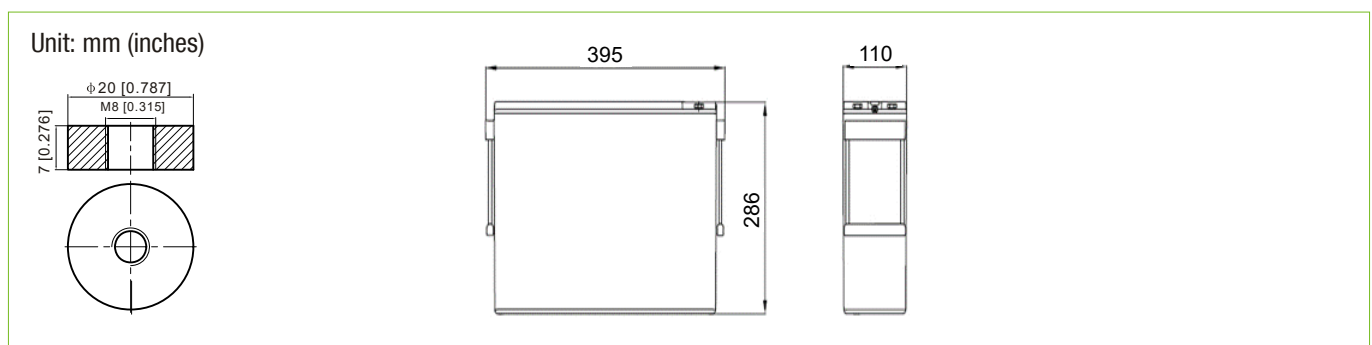
- UPS/EPS
- TELECOM
- Accumulation of solar surplus
- Autonomous mobility

## MAIN TECHNICAL SPECIFICATIONS

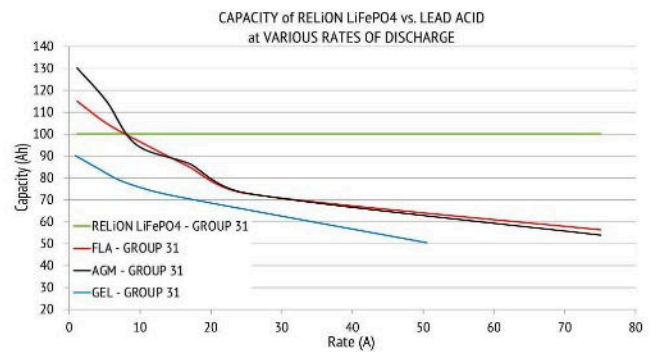
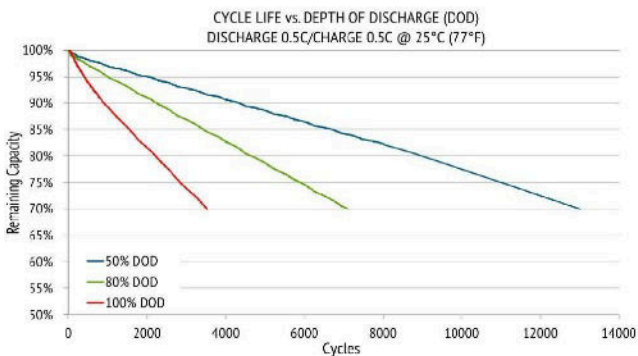
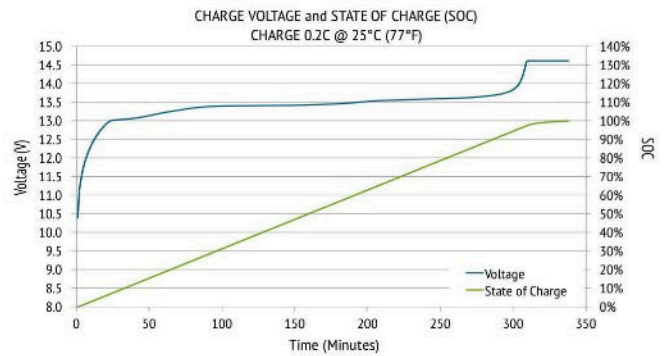
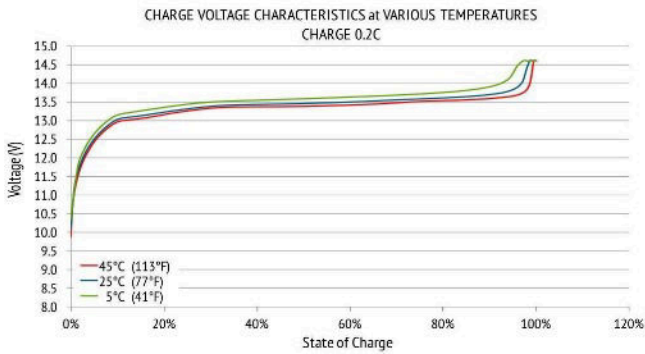
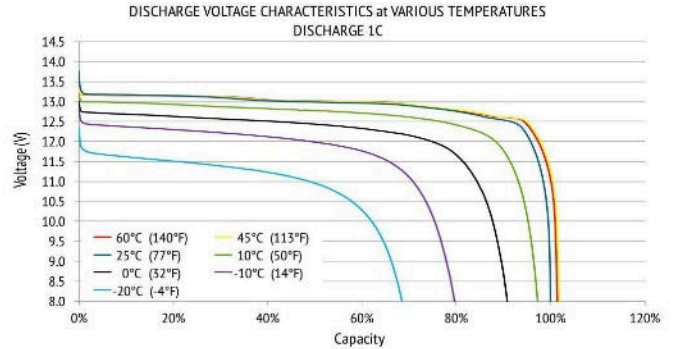
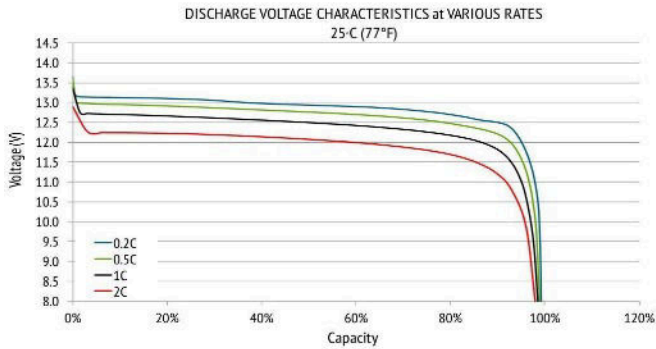
Rated Capacity:		100 Ah
Rated Voltage:		12,8 V
Recommended Charge Current:	(0.2 C)	20 A
Maximum Charge Current (*):		100 A
Recommended Discharge Current:	(0.2 C)	20 A
Maximum Discharge Current (*):		100 A
Life Cycles:	(100% DoD)	2500 cycles
Operating Temperature:	Charge:	0°C ~ 45°C
	Discharge:	-20°C ~ 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



# UE-FT-12Li100

## UE SERIES

### ELECTRICAL SPECIFICATIONS

Charge Voltage:	14.6 V
Discharge Cutoff Voltage:	10 V
Internal Resistance:	≤ 10 mΩ

### OTHER SPECIFICATIONS

Dimensions (L x W x H):	395 x 110 x 286 mm
Weight:	Approx. 10 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

