

# **ULTRALiFE<sup>®</sup>** Lithium Batteries

Ultralife Lithium Deep Cycle Batteries, using Lithium Iron Phosphate (LiFePO<sub>4</sub>) technology offer excellent weight saving within the same footprint as industry standard lead acid (VRLA) alternatives. The internal management system allows them to be used as an alternative to AGM or GEL batteries with minimal changes. LiFePO<sub>4</sub> is also an intrinsically safer chemistry compared to other lithium options.

The integrated management system monitors the current, voltage and temperature of the battery and the cells. When the battery is used outside of the recommended operating parameters it will react and isolate the battery from the system, maintaining safety. When the source of the error is removed the system resets so that the battery can be used again.

## **Benefits**

- Compatible with standard VRLA chargers
- Between 1/2 & 1/3 lighter than VRLA
- >1500 Cycles @ 100% Depth of Discharge
- Integrated battery management, cell balancing and protection
- Fast recharge
- Industry standard sizes
- UN38.3 & IEC62133 Certified



## **Applications**

- Portable Power
- Auxiliary Vehicle Power
- Marine
- Solar / Renewable Power
- Defence
- Medical Carts
- Environmental Control Back-up Systems



**[www.dmstech.co.uk](http://www.dmstech.co.uk)**

Belbins Business Park, Cupernham Lane, Romsey, Hampshire, SO51 7JF, UK  
+44(0)1794 525400      [sales@dmstech.co.uk](mailto:sales@dmstech.co.uk)

Model	Voltage	Capacity	Continuous Discharge	Maximum Recharge Current	Dimensions (mm)			Weight (kg)	Terminals
					Length	Width	Height		
URB1270	12.8V	7.5Ah	15A	7.5A	152	65	92	1.1	F1 Faston Tab
URB12200	12.8V	20Ah	20A	20A	181	76	165	2.85	M5 Female
URB12350	12.8V	32Ah	65A	32A	195	127	165	4.60	M6 Female
URB12550-22NF	12.8V	52.7Ah	55A	50A	228	138	208	7.50	M6 Female
URB12550	12.8V	55.8Ah	60A	55A	256	132	200	7.85	M8 Female
URB121000	12.8V	100Ah	100A	100A	340	170	210	13.90	M8 Female
Transportation: Class 9 Dangerous Goods (except URB1270)									

*DMS technologies reserves the right to alter product specifications without prior notice*

### Internal Battery Protection

- To prevent damage by over discharge the battery has an automatic shut off when the voltage reaches 10V.
- Over charge protection
- Over current protection
- Temperature protection
- Cell balancing function
- Please contact DMS technologies to discuss discharge / recharge requirements.