

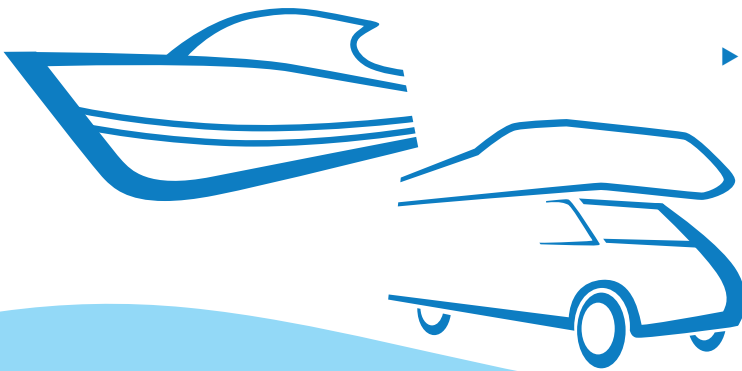
# Dual Purpose vs Deep Cycle

## Dual Purpose Batteries

**Dual Purpose Batteries** offer the capabilities of both cranking and deep cycle functions all in one unit. Rather than having a separate starting battery and a deep-cycle battery on your boat, dual-purpose batteries provide both requirements. **Dual Purpose and Deep Cycle batteries are not recommended for use as a starter battery in automotive applications.**

### Best uses:

- ▶ Boats with less room for larger or more numerous batteries
- ▶ Cranking Power for turning over your boat engine – plus, power to operate accessories like trolling motors, GPS, fish finders, lighting and audio devices



## Deep Cycle Batteries

**Deep Cycle Batteries** regularly discharge then recharge again – and are built to deliver sustained power over extended periods of time. Having a deep-cycle battery means you'll also use a separate starting battery to kickstart your boat engine.

### Best uses:

- ▶ Boats with electric trolling motors or other onboard electronic systems
- ▶ RVs not connected to shore power to supply electricity to appliances and electronic systems – providing a steady flow of power over an extended duration
- ▶ For boats or RVs requiring up to 48 V, batteries can be connected in series – and if greater capacity is needed, up to 4 batteries can be connected in parallel
- ▶ Miscellaneous applications requiring auxiliary power, such as emergency backups for sump pumps, other appliances and off-grid applications requiring energy storage

## ***Advantages of Lithium Iron Phosphate Leisure Batteries***

**Lithium Iron Phosphate – also known as LiFePO<sub>4</sub> – batteries** are an excellent choice compared to other types of batteries such as lead acid and AGM alternatives.

### **Benefits:**

- ▶ Premium Long Life – more than 3000 charge cycles\*
- ▶ Less maintenance
- ▶ Lighter weight vs. lead-acid batteries
- ▶ High discharge capacity – ability to perform for longer periods of time
- ▶ Low self discharge

**Battery Management System (BMS) and State of Charge (SoC) indicator** for safety and security

### **Features:**

#### **BMS provides protection from**

- ▶ Short circuit
- ▶ Excessive high- and low-temperatures
- ▶ Overcharging and over-discharging

### **SoC indicator**

- ▶ Located on the top of the battery, the indicator provides a visual display of the battery's State of Charge

### **Sleep/Wake function**

- ▶ Sleep/Wake function allows the battery to be set into a sleep mode, preventing discharge from connected accessories while not in use



\*Compared to conventional lead-acid or AGM battery systems