Mastervolt launches new 12 volt Lithium-ion marine battery

Leading electrical specialist, Mastervolt, is proud to announce the launch of a 12-volt Lithium-ion marine battery, packaging the lightweight cells into the same case as its popular 24-volt sister.

The new battery has been in development for some time as part of Mastervolt’s ongoing research within the EU’s HYMAR (Hybrid Marine) initiative. Lithium-Ion technology has long been the material of choice for portable electronic items due to its light weight (a third that of water) combined with long life, no memory effect and deep cycle capabilities. Mastervolt was the first company to bring a full size 24-volt version to the marine market, and due to this Award-winning battery’s success, a 12-volt version has now also been released. This allows boat owners to have the option of 12-volt or 24-volt Lithium-Ion performance with the same footprint, which is a third of the size and weight of an equivalent lead-acid battery for the same 4.3 kWh of power.

The steady rise in demand for Lithium-Ion, most notably in hybrid propulsion systems, has also led to a steady lowering of prices, now down 20% from the original launch price. For ease of installation, the new 12-volt battery is the same ergonomically designed case, which safely packages the advanced cell balancing technology and allows the battery to be seamlessly connected to Mastervolt’s intelligent battery charging system.

The stylish and robust case, in distinctive green Mastervolt livery, also has large carrying handles, and sophisticated electronics to allow ultra-fast charging and discharging. The real beauty of Lithium-Ion, apart from its light weight, is that it can be deep cycled by 80% capacity for up to 2,000 cycles without harming its long lifespan.

“We have had a huge amount of interest in Lithium-Ion since it was launched in 2008,” said Marketing Manager Marc Persoon. “The new 12-volt version was originally in a smaller casing during the prototyping, but we decided to keep the footprint the same as the 24-volt model and double the capacity. This makes it easier for production builders to make provision for Lithium-Ion systems in new builds. The price is also coming down due to increased demand. Even so, we are seeing a great take up for these ultra-safe batteries, especially in blue water.
yachts that need regular deep cycling for hotel loads, but with three times the lifespan of ordinary lead-acid batteries. The connectivity with the rest of the yacht’s systems, through the MasterBus network which includes the MasterView monitoring screens, is also a huge selling point. We are convinced that Lithium-Ion is the future for battery technology, especially with the deep-cycle needs of propulsion.”

Technical specifications:
Model: MLI 12/320
Nominal voltage: 13.25 V
Capacity: 320 Ah/ 4.3 kWh
Size: 623mm x 199mm x 345mm
(24.5in x 7.8in x 13.6in)
Weight: Approx 55kg (121lbs)