

## Battery Switch Ratings

The UL standard for marine battery switches is UL Standard 1107. This standard rates switches only for 5 minute and 1 hour time periods. Clearly, these ratings are not useful for the boater using a switch in the engine starting circuit where the time period may be 10 seconds or less. For this reason, Blue Sea Systems has created an additional standard called the Engine Starting Standard.

The **Engine Starting Standard** consists of 10 cycles each consisting of an Inrush Current spike of 1/4 second duration, a Cranking period of 9-3/4 seconds duration, and a 2 second rest period for a total of 120 seconds. This is representative of the load imposed on a battery switch in the starting circuit under very difficult starting conditions. Blue Sea Systems' battery switches, in addition to being tested to UL 1107, are also tested to the **Engine Starting Standard** by a United States Coast Guard certified Nationally Recognized Testing Laboratory.

### Blue Sea Systems' Engine Starting Standard

