Power - Deep-cycle Batteries

460 Beth Bartel March 28, 2010 Batteries 2419

Deep-cycle Batteries

Sealed deep-cycle batteries should be used as a backup. These batteries are sealed and maintenance free and can be transported by air without special containers. The gelled electrolyte will not stratify, sono equalization charging is required, and they have a low stand loss. As with all batteries, ventilation is required. Care should be taken to follow all manufacturer warnings and maintenance instructions.

The depth of discharge will determine the size of the battery backupalong with the required or desired autonomy (reserve time). The Deka Solar batteries have the following number of cycles depending on the capacity withdrawn:

It is not recommended to use automotive batteries, as these are not designed for frequent deep cycles and often require periodic maintenance. Deep cycle batteries are recommended such as marine deep-cycle batteries or Recreational Vehicle (RV) deep cycle batteries.

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