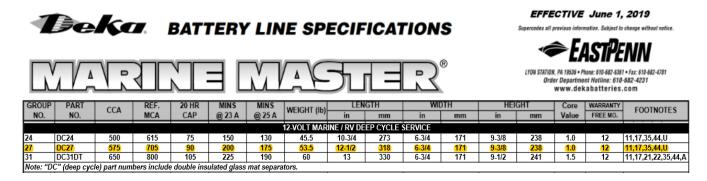


## Battery Information for MD-12 and MD-12B FleetPlows

We provide a 12V, 90 AH, group 27, deep cycle, marine battery:



## **COLD TEMPERATURES AND BATTERY PERFORMANCE**

Although batteries hold a charge better in cold weather when not being used, the capacity in use (number of trailers or buses) is adversely affected by winter temperatures. Like all FleetPlow<sup>™</sup> brand components, the robust battery we provide is specified to exceed the usage requirements in these extreme conditions (-20° F, -29° C).

## **CAPACITY**

Temperature affects capacity. When new, total capacity at room temperature is 356 cycles (vehicles). To get the longest battery service life, it's best to only discharge 50% before recharging.

- @ 32° F, (0° C), capacity is 85% or 302 vehicles. (151 vehicles to 50% discharge)
- @ 0° F, (-20° C), capacity is 50% or 178 vehicles. (89 vehicles @ 50% discharge)
- @ -20° F, (-29° C), capacity is 35%, or 124 vehicles. (62 vehicles at 50% discharge)
- ✓ Our battery case will hold up to a type 31 battery size, making it possible to increase the number of vehicles up to 40%.
- ✓ If you have a larger fleet or frequent snowfalls, we recommend purchasing additional batteries. Spare batteries are not currently sold by Scraper Systems.
- ✓ The 12V batteries you use for your tractors or buses can also be used in an emergency. However, performance will vary, and those batteries are not deep-cycle and are designed to be constantly recharged by an alternator.

## **CHARGING**

- ✓ The batteries do not have a "memory", so it's best to recharge them to full after each use.
- ✓ A charged battery can be left outside on the FleetPlow, but it will need to be recharged every month to make sure that the battery will be ready to perform when you need it.
- ✓ It's best to charge the battery inside on a quality battery charger with overcharge protection, then bring it outside and attach it to the FleetPlow for each storm.
- Batteries will not freeze if they are charged. However, they can freeze if they are discharged and left outside in cold weather. Do not allow a discharged battery to remain outside and become frozen.
- ✓ To avoid a battery explosion, never attempt to charge a frozen battery. Allow it to warm up to room temperature before placing on charge.
- ✓ Do not overcharge your battery. Utilize a quality charger with overcharge protection.

