

DEKA SOLAR GEL BATTERIES, U.S.A

Offers quality, reliable and lasting battery than the average battery life.

Your best choice for inverters and Solar panels



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CARE AND FEEDING OF A DEKA BATTERY

Congratulations! You have just purchased one of the finest deep cycle batteries in the world. Your Deka battery was made with care in Lyons Station, Pennsylvania, USA. Deka batteries are still made by the same family who founded the company three generations ago – and they hope your battery enjoys a long and fruitful life. Please follow these

steps to make that possible:

Keep it Cool – a battery's life is shortened significantly by working in high heat. Keep it out of the sun and in the coolest spot. Make sure you use a battery temperature sensor from your inverter or charge controller so that your battery does not get too hot while charging.

Don't Take Too Much – The deeper you discharge your battery, the shorter the life. So please don't take more than 50% of the battery's energy before recharging fully. A battery voltage of 12.2 volts means the battery is about 50% discharged.

Charge It! – Most batteries die early because they spend too long partially charged. Make sure your battery has a full charge at least once a week. Use a three-stage charger and make sure the absorption charge is long enough – remember it takes at least five hours to completely charge a battery. Carefully reference the charging parameters below for Deka Monobloc batteries (8G4D, 8G8D, 8G27, 8G30H).

Charging Stage	System Voltage	Charging Voltage
Absorption Charge	12v	14.2V
	24v	28.2V
	48v	56.5V
Float Charge	12v	13.5V
	24v	26.9V
	48v	53.8v
Equalize Charge	12v	14.4V
	24v	28.8V
	48v	57.6V

Get a Good Charger – Your Deka battery wasn't cheap. Don't ruin it by charging it with a cheap inverter or charge controller. You need an inverter with at least a 40 amp charger, three-stage charging, and a battery temperature sensor. If in doubt, choose equipment listed on www.africanenergy.com

Size Matters - Your battery cables should be at least 70 mm, preferably 90mm. Otherwise, some of your battery power will be lost before you can even use it. Use good connectors on your cables and keep them tight. If they are very small or loose, you may start a fire.