

Godman GRID™

For Support: Call Toll-free: +1-888-519-9266

Email: help@godmanpower.com

SunRunr® and Godman GRID™ are manufactured by Godman Power Group, Inc.

Replacing a Battery For SunRunr® and Godman GRID™ Products



The inability to hold a charge is indicative of a tired or older, or well-used battery (~8 years usage). The battery can also die from sulfation after being left uncharged in freezing weather.

Battery replacement requires a very specific battery. The "DEKA" 8A8D 12-volt 245-amp hr AGM absorbed glass mat battery with SAE round "automotive style top post terminals" can be special ordered at most battery stores. DO NOT use any other substitute for this battery. We find them priced around \$700.00, depending upon location. An electrician is recommended to perform the swap. Remember the battery weighs 160 lbs., so usually two technicians are required for the actual removal and placement of the battery. The batteries come with rope handles and can be lifted for removal and replacement.

Standard SAE tools are required, nothing specialized required. Simple safety procedures ensure a smooth change. The unit needs to be disassembled, as the battery is located at the bottom. You cannot replace the AGM with Li-ion, entirely different wiring and the charge controller is different.

Make sure all switches are off and solar panels are unplugged. Take pictures as you go for reference. Note the direction and position of handles prior to removal. Remove handle bolts and small bolts on bottom of side covers. The top cover fits tightly, once handle bolts are removed you can push in on the top of the chassis to facilitate removal of the top cover.

Remove and cover the Negative battery terminal and battery post with plastic and tape. Even old discharged batteries can have dangerous levels of power existing. You can now prepare the spine for removal by disconnecting the inverter battery connections at the opposite end of the cables from the inverter.

Remove bolts on each end of the chassis position and hold the spine. Hold the inverter/spine assembly as those bolts are removed. Note any wooden shims in place. You likely will want to buy two new 5/16 X 3-4" J-hooks as they have been trimmed for fit. Note battery rope handles knots and tie down attachments' orientation. Remove nuts on bottom of chassis to loosen and remove old j-hooks. Note wood block position and orientation for reuse. Battery should be ready for removal and installation is reversed. Safety is priority! Be sure new battery negative post is covered until time for installation.

The battery is very large and it takes a long time to fill it up. Also, best life is achieved by continuous connection to solar panels to maintain battery charge levels. The AC/DC charger is intended only for temporary charging intervals. The death of lead acid batteries is sulfation due to inactivity. Also, to really determine battery health you need to check voltage levels after 24 hours of absolute inactivity (no charging or discharging). Voltage should indicate 12.7-12.9 on a fully charged healthy battery.

You can work with your local representative or our team. We will be glad to guide you or your technician through this change and will help with any issues via this email address: help@godmanpower.com, or by telephone: 1-888-519-9266. Help Desk Support is available 7 days per week.

Sunny Regards, thank you for your investment, and we hope your SunRunr® and Godman GRID™ products keep offering you renewable energy for many years to come!

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