

# HOW TO USE THE EQUALIZATION FUNCTION

Related Products

**POWER INVERTERS**

Article Number

**000001345**

## Steps

The EQUALIZATION FUNCTION is manually initiated using a DIP switch that allows the charger to maintain a higher-than-normal voltage of +14VDC (slowly climbing) for three hours. The charger then resumes normal operation. This feature breaks down chemical deposits in individual cells that may inhibit their ability to fully charge. The green *Battery Capacity* LED will flash during this operation.

If a unit is equipped with a DIP switch for battery equalization, the charger will output 15.8VDC for 12V batteries or a multiple thereof for larger batteries (31.6VDC for 24V batteries, 47.4VDC for 36V, etc.) for three hours—if the *Battery Type* DIP switch is set to *Wet Cell*. (Battery manufacturers DO NOT recommend equalizing gel batteries, and very few recommend equalizing or conditioning AGM batteries.)

The current draw during equalization depends on battery condition. The current draw can be as much as the highest charging rate of the inverter in use. At this time, the only known way to check equalization in progress is to verify charging voltage. It should be a higher voltage relative to the DC rating of the unit. The process requires approximately three hours to complete and stops automatically after the cycle. To manually stop the equalization cycle, power off the inverter and disconnect its input power source.

## Notes

If additional assistance is required, please contact Tripp Lite Technical Support by email ([techsupport@tripplite.com](mailto:techsupport@tripplite.com)) or phone (773.869.1234). Tech Support is available from 7:00 a.m. to 6:00 p.m. Central Time, Monday through Friday.