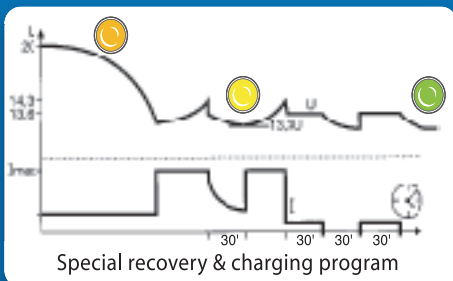


POWER PS SONIC®


Battery Sitter

The Battery Sitter is the most advanced fully automatic diagnostic battery optimiser and maintainer for all 12V lead-acid batteries. This includes sealed & conventional batteries for motorcycle and similar vehicles, including dry-charged <MF> & sealed <WET> maintenance free types, & sealed <Deep-Cycle> GEL batteries used in back-up power and other applications involving a steady delivery of power. Best for batteries from 2.5Ah to 32Ah capacity.

All major starter battery manufacturers recommend maintaining starter batteries FULLY CHARGED during periods of non-use. The Battery Sitter is totally safe for months-long connection during off-season battery maintenance. No danger of over-charge. Electronically protected against user errors. Just hook up the Battery Sitter to your battery, the rest is automatic. No switches, no fuses (except battery protection fuse), sparks are suppressed.



The 6-Step Automatic Program:

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| <p>POWER ON  </p> | <p>1. Initialization: If, when connected, the battery voltage is above 2V, the program goes to step 2; if not, the charger won't start as the battery is not considered recoverable.</p> |
| <p>DELSUFATE </p> | <p>2. Tests the battery for possible deep discharge or sulfation. If necessary, the Battery Sitter automatically engages a special high voltage recovery mode (max. 22V) with controlled very low fixed current, so as to desulfate very flat batteries, for up to 2 hours, controlled by an internal timer.</p> |
| <p>CHARGE </p> | <p>3. Charges at 0.6 Amps constant current ('bulk charging' stage) until the monitoring circuit indicates the battery should be able to crank the engine.</p> <p>4. During a 30 minute timed verification stage the Battery Sitter ensures that even well-used batteries are brought to full charge saturation. If necessary the program reverts automatically to the bulk charging stage, as many times as necessary to ensure the battery is thoroughly charged.</p> |
| <p>MAINTAIN </p> | <p>5. During a timed 30-minute pause in its program, the circuit monitors the battery's voltage drop when 'off-charge'. This is to identify batteries unable to retain their charge adequately when taken off charge.</p> <p>Suspect batteries are identified by the red LED indicator. The circuit will continue to provide the battery 'float charge' support until disconnected.</p> |
| <p>MAINTAIN </p> | <p>6. Batteries which pass the voltage retention test are signalled <good> by the green LED and are then offered charge current according to their need for 30 minutes in each hour there-after so as to support connected electronic alarms or other small loads. The voltage retention check (step 5) is then repeated during each alteration of half-hour there-after for as long as the Battery Sitter and batter remain connected.</p> |