



Gold SERIES Charger

The Legacy Power System™ Gold Series Charger combines a power supply tailored specifically for today's advanced lead-acid batteries with a highly responsive state of charge sensor. The result is exceptional operation for maximized battery efficiency.



The Legacy™ Gold Series Charger takes full advantage of low resistance grid castings by supplying more current during the most efficient time of the charge cycle – when the battery temperature is at its lowest point. Along with a sound power supply foundation, the ability and accuracy of the state-of-charge sensor is maximized. The Gold Series Charger uses proven state-of-charge algorithm methods of reliable and precise charge termination.

You'll notice lower energy costs since charging is accurately terminated. At the same time, overcharging is eliminated, gassing is reduced, battery temperature is minimized and the plate-aging process is slowed. Together, these benefits produce tremendous positive effects on performance and productivity.

The Legacy Gold Series Charger reduces operating costs with state-of-the-art ferroresonant circuitry. The Legacy's power supply reduces the excessive gassing effect typically seen with other chargers – less gassing means longer intervals between battery waterings.

Accurate charging helps to reduce battery cleaning, and that's safer and cleaner for the environment and your business. The Legacy Gold Series Charger allows you to customize operational control of the charger. It's easier to manage your battery and charger through proper equalization cycle; reduce kilowatt usage with delay start; and manage batteries most effectively with the new cool-down display.



DOUGLAS LEGACY™
GOLD SERIES CHARGER



UNBEATABLE POWER

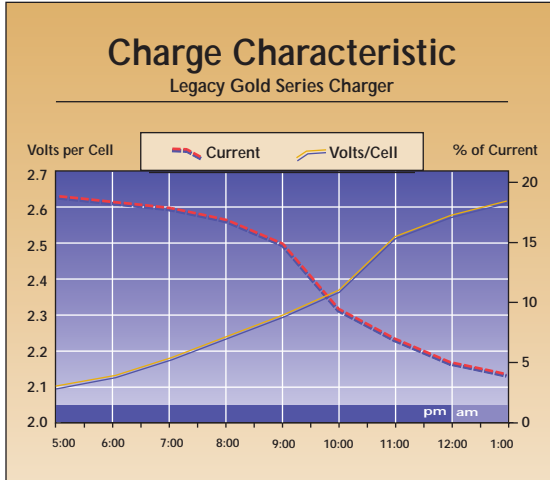


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You can count on the Legacy Gold Series Charger to deliver precisely the right charge so your battery will consistently perform at its peak potential.

Charges battery accurately to its fullest charge potential

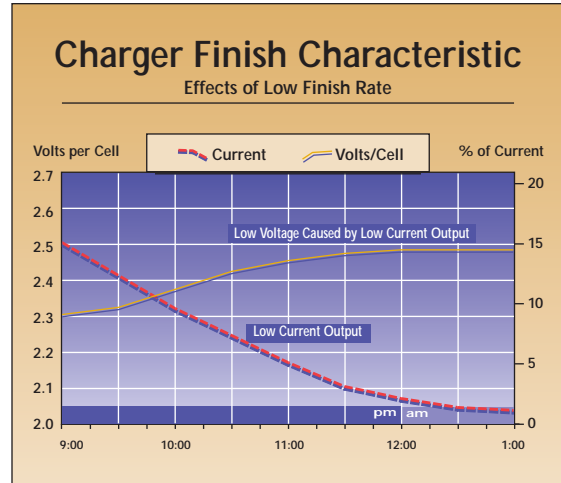
- Tailored charge profile ensures best electrical-to-chemical conversion
- State-of-charge sensor terminates charge cycle with precision



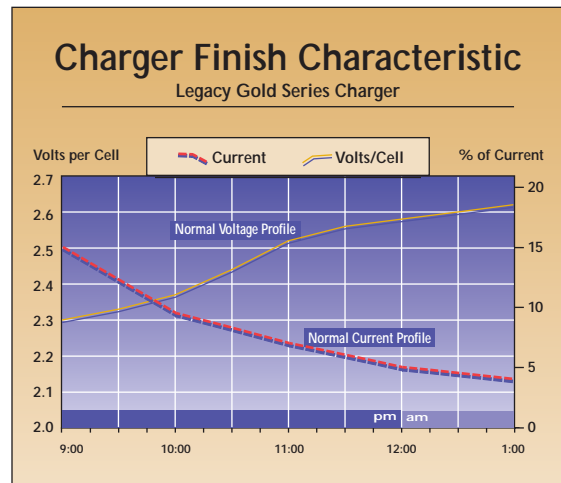
The start rate or beginning of the charging cycle is vital because the battery is at its most efficient stage. The majority of current should be returned at this point to ensure battery temperature control. The Legacy Gold Series Charger supplies more current during this optimum time of the charge cycle — when battery temperature is at its lowest point.

Legacy Gold control features

- $dv/dt \cdot di/dt$ automatic termination
- Stop push button
- Charge status indicator
- Automatic refresh charge
- Digital output current display
- Digital fault display
- Wrong battery protection
- Back-up timer protection
- Charge time delay
- Negative slope termination
- Equalize push button
- LED test
- Charge data monitor
- Ampere hours returned
- Total time charge
- Average volts per cell
- Cool-down time
- Watering control signal



The finish rate of the charger is the secret to the success of the charge control. The charging current must be sufficient to allow the battery voltage to rise to an unconstrained level. The Legacy Gold Series Charger provides charging accuracy well above industry standards with a precisely matched power supply and state-of-charge control.



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DOUGLAS BATTERY

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