

The Right Method for your Charging Application

There are three types of forklift battery charging methods used today; Conventional Charging, Opportunity Charging and Fast Charging. A power study can help provide information on truck utilization, energy consumption and available charge opportunities, which can help determine which charging method(s) is most appropriate for your application.

For more information or to schedule a power study, contact your local Crown dealer.



Comparison Information

	Conventional	Opportunity	Fast
Shifts	Single or Multiple	Single shift with 10-12 truck hours use (max), or 2 shifts with light to medium duty workload; both running a maximum of 5-6 days a week.	2 shifts with 8-10 truck hours per shift, or 3 shifts of medium duty with 2-4 truck hours per shift. These numbers can change based on actual use; both conditions should occur no more than 6 days per week.
Battery Power	80% usable capacity, returned to 100% SOC daily	Not to exceed 125% of the battery's rated capacity	Not to exceed 160% of the battery's rated capacity
Charge Time	8-10 hours maximum	2.4 hours (30 to 80% SOC)	1.5 hours (30 to 80% SOC)
Equalize Charge	Weekly - Required	Weekly - Required	Weekly - Required
Battery Charge Area	Required (with multiple batteries)	Not Required	Not Required
Safety Equipment	Required	Required	Required
Spare Batteries	Required for Multiple Shifts	Not Required	Not Required
Battery Monitoring Identification Device	Not Required	Recommended	Required
Battery Life	5 years or 1,500 cycle(s) common	Based on power throughput	Based on power throughput
Dual Cables	Not Required	Not Required	Required