

WHAT IS QUALCOMM QUICK CHARGE 3.0 AND HOW DOES IT WORK?

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QualComm® Quick Charge™ 3.0 is engineered to refuel devices up to four times faster than conventional charging. Quick Charge 1.0 is able to charge up to 40% faster than conventional charging. Quick Charge 2.0 increased the charge time advantage to 75%. Quick Charge 3.0 is designed to charge twice as fast as Quick Charge 1.0 and be 38% more efficient than Quick Charge 2.0. Now consumers can spend even less time charging and can grab and go more quickly.

How does it work?

Quick Charge 3.0 employs Intelligent Negotiation for Optimum Voltage (INOVA), an algorithm that allows your portable device to determine what power level to request at any point in time, enabling optimum power transfer while maximizing efficiency. It also supports wider voltage options, allowing a mobile device to dynamically adjust to the ideal voltage level supported by that specific device. Specifically, Quick Charge 3.0 offers a more granular range of voltages: 200mV increments, from 3.6V to 20V. That way, your phone can target one of dozens of power levels.