

# A Basics Guide

To USB Type A and C Charging



## Fast charge is available from the new Type A and C 'Sure' charger.

- Standard Type A USB chargers are 5 Volts with maximum current of around 2 Amps.
- Type A USB chargers cannot offer PD compliant adaptive fast charging.



### Features

- The new 'Sure' charger offers PD and QC2 adaptive charging which is fast charging.
- It works on the USBC connection by having:
  - 5 Volts x 3.0 Amps,
  - 9 Volts x 2 Amps and
  - 12 Volts x 1.5 Amps option and
  - 5 volt x 2 Amp (= 10 watt) option on the USBA connection.

When plugged into a tablet/phone with a flat battery the type C connection will supply fast charge via the 12 Volt supply and then switch over to 9 or 5 Volt supply when the unit is up to around 40/50% charged.

This means the CMD type C charger can charge a new Samsung A5 in 90 minutes compared with competitors' type C which take 150 minutes.

Competitors only offer a USB type A and type C charging unit that has just a 5 Volt circuit. This is because they use the same USB Type A electrics for type C charging, but have swapped a type A connection for a type C connection.

This means that only CMD's type C units can deliver adaptive fast charge.