



The Type C connector is now being adopted by all the major manufacturers of mobile devices (phones, tablets, etc) and has already been incorporated into many laptops.

This is not only because of its small form factor and the fact that it is reversible, making it simpler and easier to use, but also because it enables significantly faster charging than was possible with the USB Type A connector. The TUF A+C USB fast charger from OE Elsafe provides both the new USB-C port, for advanced charging of compatible devices, plus a USB-A for charging legacy devices - suiting users with any powered device.

## Specifications

USB Charging Outlets	1 x Type A Female 1 x Type C Female
Charging Current	Type C 5V up to 3.0A Type A 5V up to 2.5A Maximum combined output 5A
Rated Total Output Power	25W
AC Voltage Range	100-240VAC at 50/60Hz
AC Input Current (Full Load)	Maximum 0.6A
Efficiency	Up to 90%
Environment	0-30C / 85% Relative Humidity
Standby Power	0.05W

## Features

Protection from External Surges	Yes (3.5kA for 8/20us Pulse)
Internal Over Temp Protection	Self Resetting
Internal Over Voltage Protection	Self Resetting
Output Over Current Protection	Self Limiting
Short Circuit Protection	Self Resetting
(IDR) -Intelligent Device Recognition.	
USB Sockets	Gold Plated for Improved Contact Type-A specifically manufactured for minimum 5000 insertions. Type-C for Minimum 10,000 insertions.
Power Indicator	Blue LED
Cable Compensation	Voltage Adjustable to compensate for cable loss
Standards	Certified to AS/NZS 60950-1 and EN61204-3/CISPR22

## Compatibility (examples only)

Apple iPhone/iPad	Yes - Type A Apple 2.4A Type C 5V 3A
Apple MacBook Laptop	Yes - Type C - 3A
Google Pixel Phone + Laptop	Yes - Type C - 3A
Android (USB BC1.2)	Yes - Type A
Samsung Tablet Charging Specification	Yes - Type A
Blackberry	Yes - Type A

## Device Charge Times

## 10 to 90% Charge Time (Minutes)

Phone 8+	71 (Type C) 75 (Type A)
Samsung Galaxy Note 8	69 (Type C) 87 (Type A)
iPad Pro 9.7	125 (Type C) 235 (Type A)
MacBook Pro 13" Laptop	235 (Type C)
iPhone X	86 (Type A) 79 (Type C)



TUF A+C USB fast charging is now standard for all USB fast charging options from OE Elsafe.