TUF-R









TUF-R is a compact yet powerful mobile and tablet charging module with the unique advantage of being upgradeable / replaceable. TUF modules will fit most OE Elsafe products.

TUF-R modules are quick and simple to replace without the need to turn off the power or call an electrician. The unique and patented benefit of being replaceable makes TUF-R perfect for areas of high traffic, such as public spaces, education, and hospitality, where if damaged through misuse, TUF-R can quickly be replaced.

Replacing or upgrading the TUF-R module and not the whole product saves time, resources, and reduces waste.

<u>CLICK</u> to see how easy TUF-R is to replace.





TUF-R TECHNICAL



TUF-R and TUF-R HP are quick and simple to replace without the need for an electrician or turning off the power. The unique and patented benefit of being replaceable makes TUF-R perfect for areas of high usage.

CLICK to see how quick and easy TUF-R / TUF-R HP is to replace.

Upgrading or replacing the TUF-R module and not the whole product saves time, money, and significantly reduces waste.

Being replaceable also allows TUF-R to be upgraded in the future to incorporate the latest technologies.



TUF replacing tool.



Insert the 'snake eye' bit into the tool as shown.



Use the tool to unscrew the 'snake eye' screws.



Lift off the TUF fascia



Insert the second part of the TUF replacing tool into the TUF as shown, until a click is heard.



Pull the TUF cartridge out from the unit.



Unwrap and insert the new TUF cartridge, paying close attention to the orientation of the cartridge to the blue housing.



Push the cartridge into the blue housing until a click is heard.



Place the TUF fascia back into position.



Using the TUF replacing tool and 'snake eye' bit, screw the snake eye screws back into place



TUF-R TECHNICAL

Specifications	
USB charging outlets	1 x type A female (reversible)
	1 x type C female (reversible)
Charging current	Type C: 5V/3A, 9V/2.22A, 15V/1.7A, 20V/1.2A (PD3.0)
	Type A: 5V/3A, 9V/2A, 12V/1.5A, (QC3.0/QC2.0)Combined (A+C): 5V/4.0A (MAX)
Rated total output power	TUF-R 25W MAX
AC voltage range	100-240VAC at 50/60Hz
AC input current (full load)	Maximum 0.6A
Efficiency	Up to 90%
Environment	0-25°c
Standby power	0.05W

TUF R is designed and intended for commercial u	TUF R is designed	l and intended tor	commercial use.
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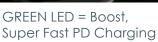
Features	
Internal over temp	Yes, auto reset
protection	Blue and Green LED Flash
Internal over voltage	Yes, auto reset
protection	
Output over current	Yes, self limiting
protection	Type C - Flash Green
	Type A - Flash Blue
Short circuit protection	Yes, self resetting
Power indicator	Blue LED Standard Voltage
	Green LED Higher Voltage (PD/QC)
USB Sockets	Gold plated for improved contact.
	Type A and Type C manufactured
	for minimum 10,000 insertions
Charge Standards	(IDR) - Intelligent Device
	Recognition, PD3.0; QC2/QC3
Standards	Certified to IEC 62368-1 : 2014
	(safety) and EN61204 : 2000 (EMC)





Unique to OE Elsafe is the reversible Type A port, which will ensure a first-time connection - every time. USB charging cord connectors can now be inserted both ways, cutting down on wear or damage from incorrect attempts and maximising the working life of the power module.







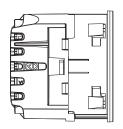
BLUE LED = Fast Charging

TUF-R CANISTER DIMENSIONS











TUF-R Canister replaceable tool View **HERE** to see how easy it is to replace TUF-R HP.

