

Canister TUF HP



TUF HP laptop and mobile phone charging modules fit OE power rails, table boxes and canister products. TUF HP is powered below surface by QF30 or Canister PSU.

TUF HP USB device charging splits the power system, enabling a sleek slim USB charging solution above desk, with the power supply discreetly hidden under the desk, inside cabinetry or neatly clipped into the OE Prodigy cable Basket.

TUF HP brings in a new era of universal laptop charging through the full 60W rated Type C port while maintaining Intelligent Device Recognition (IDR) on the Type A port.

TUF HP features are:-

- Split system solution for slim rails providing a powerful yet compact, sleek desktop solution.
- Patented unit replaceability of QikFIT QF5 Tile
- Universal type C laptop charging through the Type C port
- Intelligent Device recognition (IDR) for optimal fast charging on Type A port
- Unique Reversible Type A and Type C solution
- Power Delivery (PD) specification, providing optimal charging for the latest Type C phones.



# TUF HP TECHNICAL

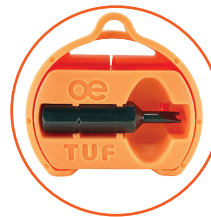
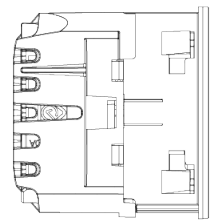
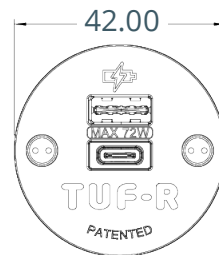
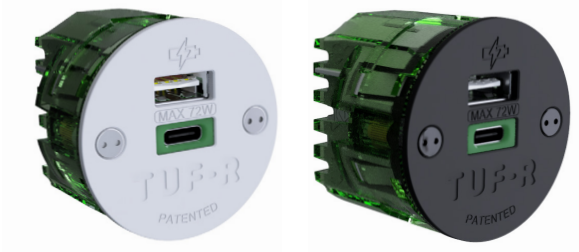
## KEY SPECIFICATIONS - TUF HP

USB Charging Outlets	1 x Type A Female 1 x Type C Female
Input Connection	1x GST08 Male
Output Voltages and Currents	<b>TYPE C:</b> MAX 60W 20V/3A, 15V/3A, 9V/3A, 5V/3A (PD3.0) QC 2/3.0 5V/3A, 9V/2A, 12V/1.5A  <b>TYPE A:</b> MAX 12W 5V / 2.4A IDR BC1.2, Apple 12W Mode, Samsung Fast Charge
Input Voltage	24 – 30V DC
Rated Total Output Power	72 W MAX

TUF is safe and designed for public spaces. No data transfer is possible as TUF has no external data connections or the ability to store enough code to put malware on a device.

USB Connector	Min. Insertions – 10,000 for Type A, 10,000 for Type C
Over Current Protection	Yes, Digital Control at 3.3A - Auto Reset with LED Flash
Short Circuit Protection	Yes, Digital Control at 3.3A - Auto Reset
Over Temperature Protection	Auto Power Reduction to PD 45W Mode 20V/2.25A, 15V/3A, 9V/3A, 5V/3A
Rated Operating Temperature	0° TO 25°C
Standards	IEC 62368-1 : 2018 (safety) EN61204 : 2018 (EMC)
Field Replaceable	Yes when in 42mm Canister and QF5 solutions

## CANISTER TUF HP DIMENSIONS\*

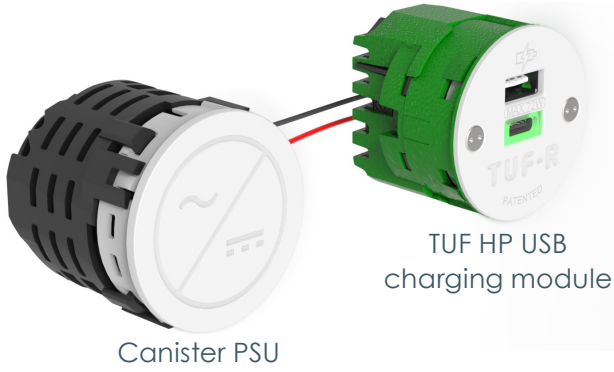


Canister TUF HP  
Replaceable tool  
View [HERE](#) to see  
how easy it is to  
replace TUF HP.

\*TUF HP modules must be paired with a PSU (power supply) module and a GST08 cable.

TUF HP and QF30 PSU are designed and intended for commercial use.

# Canister PSU



## Specifications

Input Connectors	1x Male Mains GST18/3 input 20A Installation Coupler
Output Connectors	1x Female Mains GST18/3 output 20A Installation Coupler 1x Female 30V DC GST08 output
Input Voltage	100-230 VAC 50-60HZ
Rated Input Current	1.7A
Input Power	MAX 70 Watts
Standby Power	0.1W / 0.27W WITH TUF HP
Output Voltage	30V
Output Current Rated	2.34A
Over Current Protection	Yes
Short Circuit Protection	Yes
Over Temperature Protection	Yes
Status Indication	Yes Blue LED
Standards	UL/IEC 62368-1 : 2014 EN IEC 61204 : 2018 FCC PART 15(B)

Canister PSU is a dedicated 70W AC/DC power supply designed to power the OE Elsafe high power TUF HP canister USB charging module.

Canister PSU will fit most OE products fitting into a standard socket. Canister PSU also fits into the PLUTO 80mm grommet base, removing the need for an external DC power supply for TUF HP.

Canister PSU's are available with either "AC/DC" logo or blank polycarbonate fascias in white, black or grey to match your chosen power socket colour.

Canister PSU meets the latest US level VI and EU eco-design energy efficiency requirements.

Construction: Made from high strength fire retardant polycarbonate

Colours: Black, grey or white front fascia, black body

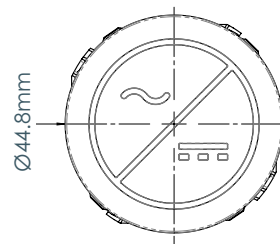
Quality & Testing: All Canister PSU modules are manufactured using ISO9001 quality controlled components and practices and are 100% tested before dispatch.



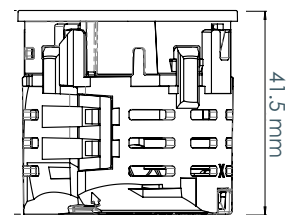
PLUTO is available with a canister PSU fitted neatly in its base to provide extra power options above surface.



## CANISTER PSU DIMENSIONS



Blank Fascia

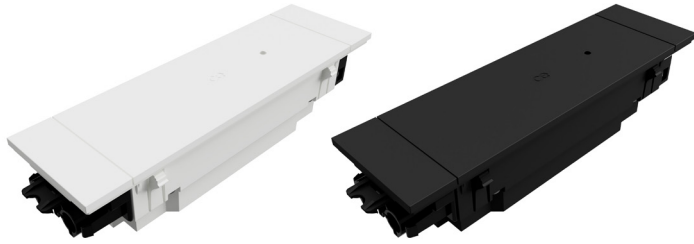


AC/DC Fascia



Custom printed fascia available on request

# QF30 PSU



QF30 PSU is a dedicated 75W AC/DC power supply designed to power the OE Elsafe high power TUF HP QF5 tile or canister USB charging modules.

QF30 PSU will provide power for the above surface modules while being discreetly installed below surface, inside cabinetry or neatly clipped into the OE Prodigy cable Basket.

QF30 PSU meets the latest US level VI and EU eco-design energy efficiency requirements.

Construction: Made from high strength fire retardant polycarbonate

Colours: Black or white

Quality & Testing: All QF30 PSU modules are manufactured using ISO9001 quality controlled components and practices and are 100% tested before dispatch.

Specifications	
Input Connectors	1x Male Mains GST18/3 input 20A Installation Coupler
Output Connectors	1x Female Mains GST18/3 output 20A Installation Coupler 1x Female 30V DC GST08 output
Input Voltage	100-230 VAC 50-60HZ
Rated Input Current	1.7A
Input Power	MAX 75 Watts
Standby Power	0.21W
Output Voltage	30V
Output Current Rated	2.34A
Over Current Protection	Yes
Short Circuit Protection	Yes
Over Temperature Protection	Yes
Status Indication	Yes Blue LED
Standards	UL/IEC 62368-1 : 2018 (safety) & EN61204 : 2018 (EMC)

## QF30 PSU DIMENSIONS

