

# QF05 TUF-R® CC



**QF05 TUF-R® CC (150W)** represents OE's latest addition to the award-winning TUF-R range of USB charging modules. This cutting-edge, modular USB component features two advanced USB-C charging ports, enabling simultaneous high-power charging for up to two laptops and other small electronic devices.

Designed for use with OE's DC ecosystem 'ANIMATE,' the **QF05 TUF-R® CC (150W)** compact footprint allows for seamless integration into QIKPAC CARRY to create a commercial-grade portable power bank capable of charging two laptops whenever and wherever you need them. Alternatively, integrate the USB module into furniture for a universal and efficient charging solution tailored to modern spaces.



- 2 x universal USB-C ports
- Laptop, tablet and smartphone charging
- Patented user replaceable USB module
- TUF | PROTECT technology
- Exclusively for use with QIKPAC Battery

# QF05 TUF-R® CC TECHNICAL

## KEY SPECIFICATIONS

USB Charging Outlets	2 x Type C (Reversible)
Power In connector	Male GST08 DC connector
Input Voltage	21 to 30V 6.0A Max
Output Voltages & Currents Single Port (Either USB-C port)	<b>Normal Mode</b> <b>USB C1 or C2: Max 100W</b> 5V/5A, 9V/5A, 12V/5A, 15V/5A, 20V/5A <b>Reduced Power Mode*</b> <b>USB C1 or C2: MAX 63W</b> 5V/2.4A, 9V/3A, 12V/3A, 15V/3A, 20V/3.15A
Output Voltages & Currents Two Ports (Both USB-C ports simultaneously)	<b>Normal Mode</b> <b>USB C1 + C2: (75W+75W)</b> 75W: 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/ 3.75A. <b>Reduced Power Mode*</b> <b>USB C1 + C2 (45W+18W or 18W+45W)</b> 45W: 5V/2.4A, 9V/2.5A, 12V/2.5A, 15V/2.4A, 20V/2.25A. 18W: 5V/2.4A, 9V/2A, 12V/1.5A, 15V/1.2A, 20V/0.9A.
USB Connector Min. Insertions	10,000
Over Current Protection	Yes. Digital control. Auto reset with LED flash.
Short Circuit Protection	Yes. Digital control. Auto reset.
Over Temperature Protection	Yes, Shutdown and activation of Reduced Power Mode
Rated Operating Temperature	0° TO 35°C
Certifications – Safety	IEC 62368-1:2018 UL62368-1 cTUVus
Certifications –EMC	EN61204 : 2018 FCC 47 CFR Part15 subpart B
Certifications ROHS	EU2011/65/EU as amended by (EU) 2015/863
User Replaceable USB module	Yes
LED Indicator	Power On: Green Over-current: Fast Green Flash Power Input Below 23V: Slow Green Flash

\*Reduced Power Mode is activated when the input voltage is below 23 volts or the temperature is nearing circuit limits.

Additionally, if the TUF-R CC module is powered directly from a QF30PSU-70W or canister PSU-70W, it will operate in reduced power.

## FEATURES

### Construction:

High strength fire retardant polycarbonate

### Colours:

Black or white

### Power cord options:

GST08 cable

### Quality & Testing:

All QF05 TUF-R® CC / 150W modules are manufactured using ISO9001 quality controlled components and practices and are 100% tested before dispatch:

Visual: Configuration and appearance

USB charger: Output voltage and resistance

“We test every pin on every connection in every socket”

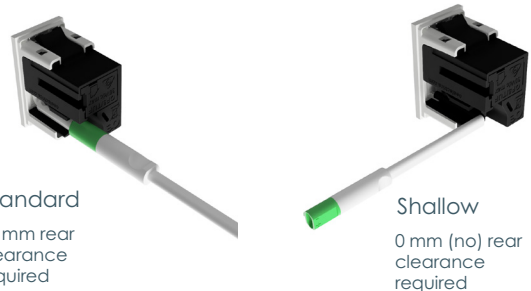
### CE Marking:

QF05 TUF-R® CC modules are CE marked by OE Electrics as complying with:

Electromagnetic Compatibility Directive 2014/30/EU  
Low Voltage Equipment Directive 2014/35/EU  
ROHS3 Directive EU 2015/863

### Cable Options :

GST08 cable can be extracted from the QF05 TUF-R® CC body for shallow depth fitting.



### Dimensions:

