

# TAKE CHARGE IN STYLE.



POWERING  
THE FUTURE

Enhance efficiency, flexibility and safety  
with beautiful USB Type A+C sockets.

**5** YEAR  
PRODUCT  
GUARANTEE



Made Great  
In Britain.  
by Honeywell



INTRODUCING THE NEW  
30W FAST CHARGING  
A+C RANGE



## TAKE CHARGE IN STYLE

USB Type-C solution on MK's range of wiring devices

USB Type-C technology has been adopted by leading smartphone, tablet, and laptop manufacturers, leading to an increasing customer adoption rate for USB-C charging in recent times. This is only set to continue as USB-C becomes more ubiquitous, notably, since the recent EU revision of its Radio Equipment Directive where USB-C is stated to be the standard port for portable electronics.

MK's USB-C range includes both Type-A and Type-C charging ports to provide customers the best charging experience in the transition to USB-C. Products are designed to MK's high quality standards with a five-year\* product guarantee, Eco-Design Directive compliance and smart charging features. User safety is a top priority, so MK has retained its key protective features such as double pole switching, dual earth terminals and its three-pin child-resistant shutter system in the socket.

The European Commission has revised its Radio Equipment Directive, which will make USB-C the standard charging port for portable electronics and unbundle the sales of a charger from the sales of electronic devices to reduce e-waste. MK Electric offers a range of USB-C charging solutions to support these evolving customer needs and support the drive of e-waste reduction.



**DO YOU HAVE A DRAWER OF CABLES AND CHARGERS AT HOME?**



**DIDN'T RECEIVE A CHARGING ADAPTOR?**



**IF SO, A USB-C INTEGRATED WALL CHARGER IS YOUR PERFECT SOLUTION:**

- No more untidy cable drawer
- No more bulky charging adaptors
- No more unnecessary e-waste

One Type-C cable plugs directly into the wall charger, solving the problem.

\*2 years for USB Euro Modules

## NEW FAST CHARGE

Introducing the 30W Power Delivery (PD) Fast Charging USB Type-C range

MK has extended its range of USB Charging Solutions to include 30W fast charging products. These sockets adopt GaN technology and support Power Delivery (PD) protocol to provide fast charging in a small, compact size to wider range of electronic devices and charges them quickly.



Expertly manufactured in the UK and installed in buildings globally, the product fits the growing demand for efficient USB device charging - safely and reliably.

**5 YEAR**  
PRODUCT  
GUARANTEE



### POWER DELIVERY (PD) PROTOCOL

- The charger will communicate with connected electronic devices using PD protocol to negotiate charging parameters (current/voltage), in order to optimise charging speed and also protect the battery health
- One 30W universal USB PD will be able to power a wide variety of electronic devices
- Charge mobiles to 50% within 30mins



### GaN TECHNOLOGY

- GaN device is smaller, reducing device size
- Higher power efficiency



### STANDARD BACK BOX

- 25mm - Logic Plus, Metalclad Plus and Albany Plus
- 35mm - Aspect and MK Elements



Logic Plus™ (K2766WHI)



Metalclad Plus™ (K2966D5ALM)



Albany Plus™ (K2966SAG)



Aspect (K24366LBKB)



MK Elements (K34350SCW)





# WHY CHOOSE MK'S USB-C CHARGING SOLUTIONS



## REVERSIBLE

Symmetrical USB-C connector with round edge can be plugged in either way up.



## SPEED

USB Type-C connectors are mostly found in devices that support the latest USB protocols and high data transfer speeds - currently up to 20 Gb/s.



## SMALL SIZE

The USB-C is smaller in height and width than traditional USB Type-A and Type-B connectors.



## POWERFUL

USB-C connectors can output to 15W, 30W. High power USB-C technology can even power a laptop.



## SMART CHARGING

Power Delivery (PD) Protocol enables the charger to communicate with connected devices to negotiate charging parameters in order to optimise charging speed and protect battery health.

Dynamic Device Recognition (DDR) feature identifies the unique charging profile of connected devices, ensuring each device is charged in the most effective and efficient way.



## QUIESCENT POWER CONSUMPTION

Compliant with the ECO- Design Directive, that details <math><0.1\text{W}</math> in standby mode



## 25MM BACK BOX

The USB integrated socket mounts onto standard 25mm boxes, which are perfect for retrofits as well as new build installations.

*Note: MK Elements and Aspect products require 35mm back box*



## BACKED OUT AND CAPTIVE SCREWS

Simplify and speed up installation time thanks to terminals screws which are backed out and held captive.



## DOUBLE POLE

Neutral makes first, breaks last for total protection. This makes the charging device safer for users, and one of the few solutions suitable for installation in public buildings.



## 3-PIN SAFETY SHUTTER

Features MK's 3-pin 'child resistant shutter system', designed to inhibit access to the electricity supply unless all 3 pins of a standard British 13A plug are in position.



## FIVE-YEAR GUARANTEE\*

Over 100 years of British manufacturing expertise with a heritage and reputation for quality and reliability.

*\* Excludes Type A+C Euro modules which offer a 2 year product guarantee.*



Made Great In Britain. by Honeywell





# 13A 2 GANG SWITCHSOCKET OUTLETS WITH INTEGRATED 30W DUAL USB PORTS

## Double Pole Switching

Neutral makes first, breaks last for total safety.

## 3mm Minimum Switch Contact Gap

Eliminates possibility of circuit forming when in the off position.

## Two Outlets With A Combined Total Of 3A Charging

To provide optimal charging capacity, 3A can be drawn fully from Type-C port when one device is charging or split between ports when devices are charging simultaneously.

Note – A maximum of 2A can be drawn from Type-A port, provided the maximum capacity of 3A has not reached.

## Power Delivery (PD) Protocol

Enables the charger to communicate with the connected device to optimise charging speed based on its specific charging parameters.

## Electrically Protected Against An Overload Or Short Circuit

Prevents damage to the socket and provides safety to the user in the event of an overload or short circuit conditions.

## 3-Pin “Child Resistant Shutter System”

Designed to inhibit access to the electricity supply, unless all three pins of a standard British 13A plug are in position.

## Vertically Stacked Central USB Ports

Access to USB ports is not restricted when using virtually any standard 13A plug, including moulded plugs.

## Backed Out Terminal Screws Kept Captive Within The Terminal Housing

Aids and speeds up installation.

## In Line Terminals

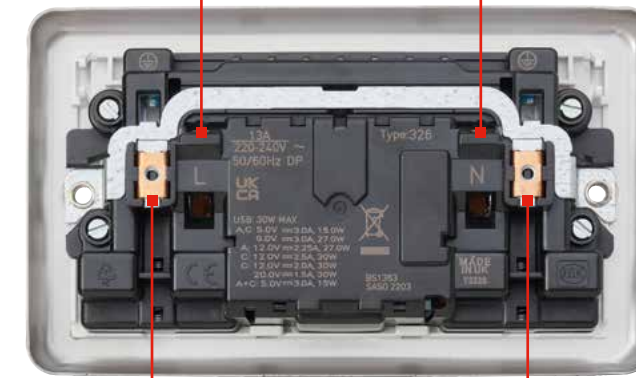
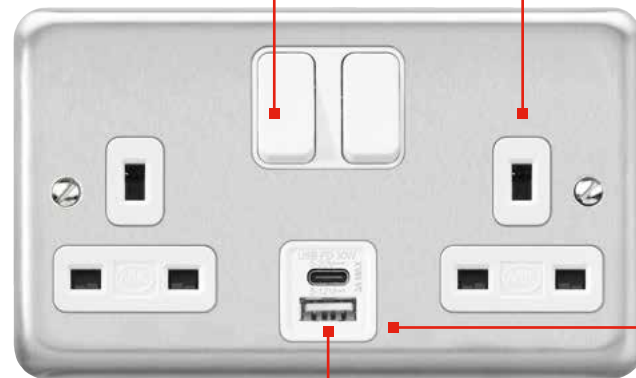
Allows wires to be cut stripped to the same length for faster and easier installation.

## Upward Facing Terminals With Funnel Entrance

Making wiring and installation easier.

## Dual Earth Terminals

For high integrity earthing



PRODUCT / FEATURE	WATTAGE	VOLTAGE	CHARGING TECHNOLOGY	GAN TECHNOLOGY	PRODUCT GUARANTEE	TIME TO CHARGE AN IPHONE 15 TO 50%*
A+C FAST CHARGING	30W	Up to 20V	Power Delivery (PD)	Y	5 years	30 mins
A+C	15W	5V	Dynamic Device Recognition	N	5 years	45 mins
A+A	10W	5V	Dynamic Device Recognition	N	5 years	90 mins

\*Based on tests conducted by MK Electric from 0% - 50% charge. iPhone is a trademark of Apple Inc., registered in the U.S. and other countries and regions.

## DUAL PORT USB TYPE A AND C ALSO AVAILABLE IN MK ELECTRIC'S RENOWNED LOGIC PLUS™ RANGE.

### TYPE C SOCKETS

1x USB-C and 1x USB-A ports



Logic Plus™ - White



Logic Plus™ - Graphite



# DUAL USB TYPE A+C EURO CHARGING MODULE

MK Electric offer a wide range of euro frontplates in a variety of finishes and our MK Design Service also allows you to create your own bespoke combinations.

## USB TYPE A+C 18W POWER DELIVERY (PD) CHARGING

The charger will communicate with connected electronic devices using PD protocol to negotiate charging parameters (current/voltage), in order to optimise charging speed and also protect the battery lifetime.

One 18W universal USB PD will be able to power a wide variety of electronic devices.

MK Electric offer a wide range of frontplates in a variety of finishes and our MK Design Service also allows you to create your own bespoke combinations.

### EURO MODULE FRONTPLATES

- Logic Plus
- Aspect
- MK Elements
- Albany Plus
- Metalclad Plus

### COMBINATION PLATES

- Logic Plus
- Aspect
- MK Elements

### Terminal Capacity

Live & neutral  
3 x 2.5mm<sup>2</sup>

### 18W Fast Charging with PD protocol

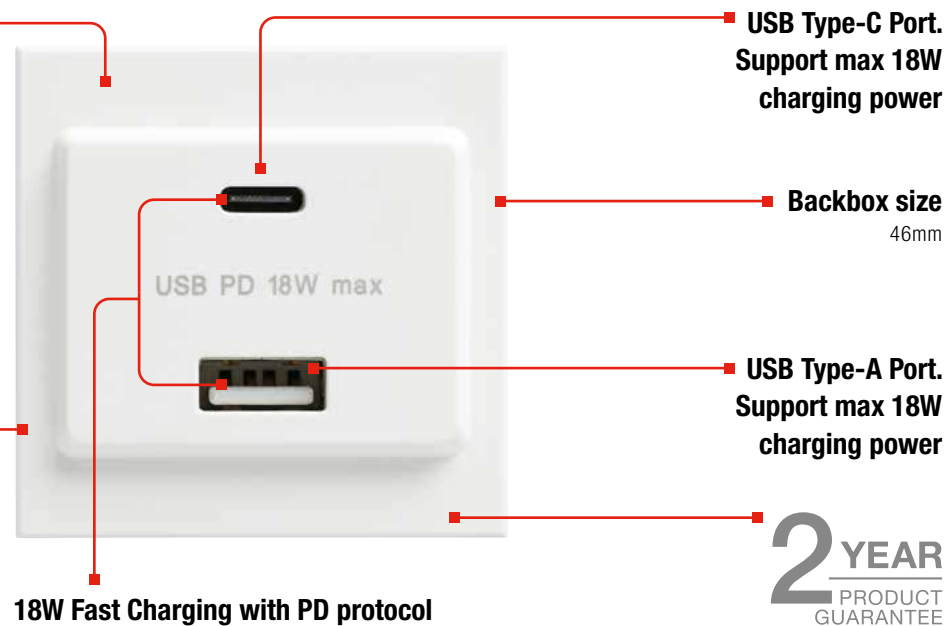
#### OUTPUT VOLTAGE, CURRENT & POWER

USB A:	USB C:
5V d.c., 3A, 15W	5V d.c., 3A, 15W
9V d.c., 2A, 18W	9V d.c., 2A, 18W
12V d.c., 1.5A, 18W	12V d.c., 1.5A, 18W



## STANDARD SNAPFIT EURO MODULE DESIGN

Fits into any standard Euro frontplate with a 50 x 50mm aperture. Ultimate flexibility of application with a selection of frontplate options as well as custom combination plates.



# USB INTEGRATED SOCKETS

## Frequently Asked Questions

### WHAT CHARGING CAPACITY DOES THE NEW DECORATIVE USB TYPE-C SOCKET PROVIDE?

The Decorative USB Integrated socket with 1x USB Type-C and 1x Type-A port provides a total of 3A charging capacity.

*Note – A maximum of 2A can be drawn from Type A port provided the maximum capacity of 3A has not reached.*

### WHAT IS POWER DELIVERY (PD) PROTOCOL?

The charger will communicate with connected electronic devices using PD protocol to negotiate charging parameters (current/voltage), in order to optimise charging speed and also protect the battery health.

### CAN I CHARGE TWO DIFFERENT DEVICES FROM TWO DIFFERENT MANUFACTURERS AT THE SAME TIME?

MK's USB Integrated sockets are designed such that the dynamic device recognition is unique to each USB port, which means that different manufacturers' devices can be charged simultaneously without any impairment to the other.

### WHICH STANDARDS DO YOUR PRODUCTS CONFORM TO?

The product holds UKCA & CE markings as it conforms to all the safety certification and approvals applicable for a 13A socket, including BS 5733 and relevant parts of BS 1363-2 and IEC BS1363-2 (2016). This includes IEC 61000-6-1 and IEC 61000-6-3, which covers Electromagnetic compatibility (EMC).

### WHAT BACK BOX DEPTH WILL I NEED?

All products fit into a 25mm back box, except MK Elements and Aspect which require a 35mm back box.

For extra wiring space, we would recommend the use of a 47mm back box for MK Elements and Aspect products. We will also offer a 10mm moulded pattress to allow retrofit into a shallower box.

### THE FRONT OF THE PRODUCT BECOMES WARM IN USE, IS THIS NORMAL?

Yes, it is usual for the front surface of the product to become slightly warm during use. MK's efficient design has kept this warming to a minimum.

### HOW IS THE CHARGERS OUTPUT PROTECTED?

The USB output is fully protected against overload and short circuit.

In the event of short circuit, the output will completely shut down and then recover back to normal operation after short circuit conditions are removed.

In the event of overload, the charger will operate at constant current mode. Voltage will drop as overload increases. Eventually, the overload will be seen as short circuit and output will completely shut down.

### CAN I UNDERTAKE AN INSTALLATION COMMISSIONING TEST WITH THE PRODUCT WIRED INTO CIRCUIT?

The USB charger should be removed from the circuit before undertaking an Insulation Resistance (Mega) test between Line and Neutral on the wiring installation.

### DOES THE USB INTEGRATED SOCKET HAVE THE SAME SAFETY CAPABILITIES EXPECTED FROM MK ELECTRIC?

Yes, the sockets are double pole switched with three-pin operated shutters and are fully approved in accredited test facilities to the latest BS 1363-2 product standards.





# PRODUCT SELECTOR

## LOGIC PLUS™ - USB TYPE C

15W A+C    30W A+C

### LOGIC PLUS™



#### FINISHES

White (WHI)	K2745WHI	K2766WHI
	K2745RPWHI (Retail Version)	
Graphite (GRA)	K2745GRA	K2766GRA

## ASPECT - USB TYPE C

15W A+C    30W A+C

### ASPECT



#### FINISHES

Brushed Stainless Steel (BSS)	K24350BSS*	K24366BSS*
Lacquered Brushed Steel (LBS)	K24350LBS*	K24366LBS*
Satin Gold (SAG)	K24350SAG*	K24366SAG*
Porcelain White (WHI)	K24350WHIW	K24366WHIW
Lustrous Black (LBK)	K24350LBKB	K24366LBKB

## MK ELEMENTS - USB TYPE C

15W A+C    30W A+C

### MK ELEMENTS



#### FINISHES

Chalk White (SCW)	K34350SCW	K34366MST
Natural Stone (SNS)	K34350SNS	K34366SNS
Beach Pebble (SBP)	K34350SBP	K34366SBP
Ice White (GIW)	K34350GIW	K34366GIW
Polished Onyx (GPO)	K34350GPO	K34366GPO
Brushed Steel (MBS)	K34350MBS	K34366MBS
Brushed Bronze (MBB)	K34350MBB	K34366MBB
Satin Titanium (MST)	K34350MST	K34366MST

## METALCLAD PLUS™ - USB TYPE C

15W A+C    30W A+C

### METALCLAD PLUS™



#### FINISHES

Aluminium (ALM)	K2950D5ALM	K2966D5ALM
White (WHI)	K3050D5WHI	K3066D5WHI

## ALBANY PLUS™ - USB TYPE C

15W A+C    30W A+C

### ALBANY PLUS™



#### FINISHES

Brushed Stainless Steel (BSS)	K2950BSS	K2966BSS
Brushed Chrome (BRC)	K2950BRC	K2966BRC
Satin Gold (SAG)	K2950SAG	K2966SAG

## EURO MODULE- USB TYPE C

EURO 2M 18W USB PD A+C  
CHARGING MODULE



### EURO MODULES

#### FINISHES

White (WHI)	K5847WHI
Black (BLK)	K5847BLK

## LOGIC PLUS™ - USB TYPE A

15W A+A

### LOGIC PLUS™



#### FINISHES

White (WHI)	K2744WHI
Graphite (GRA)	K2744GRA

\* Available with the option of either White or Black inserts.  
Add Suffix 'W' or 'B' to part number when ordering, e.g. KxxxxBSSW.  
Where there is no asterisk, the final suffix W = White Insert, B = Black Insert, E.g. KxxxxWHIW = Porcelain White finish with White inserts.

\* Available with the option of either White or Black inserts.  
Add Suffix 'W' or 'B' to part number when ordering, e.g. KxxxxBSSW.  
Where there is no asterisk, the final suffix W = White Insert, B = Black Insert,  
E.g. KxxxxWHIW = Porcelain White finish with White inserts.





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**THE FUTURE**