CMS Electracom

FREEDOM FR210 SERIES

Powering Flexible Spaces

www.cmselectra.com

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Powering Flexible Spaces

The CMS Freedom FR210 is taking portable power to the next level. With most modern workplaces incorporating movable desks and collaboration areas, it is important that power can still be easily supplied to these areas. The FR210 enables power to be provided anywhere without the limitation of needing to core a floor and be tethered to electrical cables in floor boxes or grommets. From training tables and desks on wheels to lounges, loose furniture and portable AV, FR210 provides the solutions to suit the demands of the future of work.

It is capable of streaming up to 24V DC and/or 100W USB-C PD so if you're looking for a high-capacity high-output portable power solution, without the need to plug cables into walls, then look no further than the Freedom FR210 Series.

FR210CS - Charging Station

FR210DS - Docking Station

FR210PB - Power Bank

Colours Available

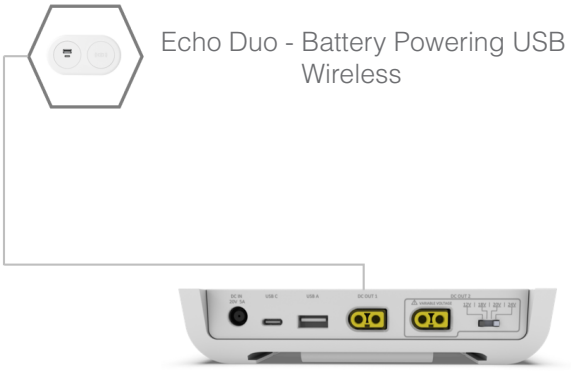
Black White

Key features

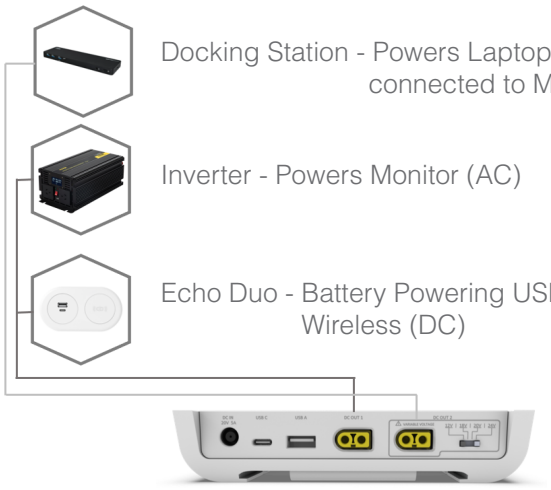
- Delivery of power via DC, USB C and USB A outputs
- Stackable Power Units capable of providing up to 630Wh (3x power banks) of power
- Fast and Easy Mounting of Docking Station
- Battery Life Indicator Light

Application Environments

Training/Flip Table



Workstation



Mobile Media Stand

Products Compatible (Without Inverter)

Using DC Output

The FR210 Power Bank provides DC Power and once connected to the Docking Station, it provides the ability for certain products to be powered using the 2x DC Output's located at the back of the docking station rather than needing an inverter to convert the power to AC. Specifc XT60 leads can be provided to be connected from the Docking Station to one or more products listed below.

Vibe Wireless Charger

Boost Wireless Charger

Quantum Wireless Charger

Echo Wireless Charger

Echo A/C USB Charger

Echo USB A/C + Wireless

Atom

THD 100 Docking Station

USB C Passthrough Lead

Example of Product Connections *(Using Multiple Products Together)*

DC Out 2	12V	Boost; Atom; Echo Wireless, A/C, A/C + Wireless
	18V	CMS Inverter; Echo Wireless, A/C, A/C + Wireless
	20V	Quantum; THD-100; Vibe; CMS Inverter; Echo Wireless, A/C, A/C + Wireless
	24V	Quantum; Vibe; CMS Inverter; Echo Wireless, A/C, A/C + Wireless
DC Out 1	17-25.5V	CMS Inverter; Echo Wireless, A/C, A/C + Wireless

Products Compatible (With Inverter)

Converting DC to AC Power

As the FR210 Power Bank is designed to provide DC Power, a CMS inverter is required when you need to connect to a GPO. Once you add an inverter into the FR210 connection process, the possiblities of products within our CMS range is expanded greatly from a wireless product to a power rail or in-desk unit.

View some of these products below:

CMS Inverter

Nova & Viva Power Rail

Athena Power Rail

Zeus Power Rail

Echo Module

KonexUS Module

Blinky Module

Executive Box

GPO's

Product Details

FR210PBP**	1x 118W USB-A/C PD Power Bank (Push Button Release)
FR210PBK**	1x 118W USB-A/C PD Power Bank (Key Release)
FR210DS**	1x Docking Station with Multiple Outputs
FR210CS**	1x Charging Station + 150W Power Supply with 10A 3-Pin Plug
FR210-PKIT**	5x 118W USB-A/C PD Power Bank (Push Button Release), 1x Docking Station (Multiple Outputs), 1x Charging Station (Power Supply with 10A 3-Pin Plug)
FR210-KKIT**	5 x118W USB-A/C PD Power Bank (Key Release) 1x Docking Station (Multiple Outputs) 1x Charging Station (Power Supply with 10A 3-Pin Plug)

NOTE:
** Denotes colour: black (BK), white (WT)

Product Specifications

Power Bank (FR210 PBP /FR210 PB4)

Capacity	9,540mAh (206wh)
Charging Output	**USB-C Port** PD 100W (5V3A,9V3A,12V3A,15V3A,20V5A,) or QC3.0/2.0 18W (5V/3A,9V/2A,12V/1.5A) **USB-A Port** QC3.0/2.0 18W (5V/3A,9V/2A,12V/1.5A)
Charging Total	Total 118W (PD100W and QC18W)
Protection	Over-charge Over-discharge Over-current Over-temperature Short circuit
Charging Input Methods	USB-C port when factory enabled/(disabled by default): PD 60W max (5V,9V,12V,15V,20V) Charging Station Docking Station
Indicators	4pcs x LEDs white colour
Size	L=251.8 W=151.4 H=38.1
Weight	1054 kg
Compliance	IEC62133 & IEC62368 UL2056 CE-EMC (EN 55032, EN 55035) RoHS UN38.3 USB-IF(PD)

Docking Station (FR210PS)

Input	7.4x5.0 DC Jack (To recharge units while docked) 20v/5A
Output Ports	USB-C output : PD 100W (5V3A,9V3A,12V3A,15V3A,20V5A,) or QC3.0/2.0 18W (5V/3A,9V/2A,12V/1.5A). USB-A output : QC3.0/2.0 18W (5V/3A,9V/2A,12V/1.5A). DC OUT1 (XT60) : 18-25.2V(Battery voltage output directly) ,16-18A. DC OUT2 (XT60) : 12V/18V/20V/24V,11A. Max combined output 150W - 1 docked, 350W - 2+ units docked
Docking Capability	Up to 3x FR210 power banks (630Wh)
Capacity Indicators	4x white LEDs to indicate the battery level of the docked power banks.
Size	L= 275.9 W=152.2 H31.6
Weight	0.94 kg
Compliance	RCM (AS/NZS CISPR32) CE-EMC (EN 55032, EN 55035)

Charging Station (FR210CS)

Input	7.4x5.0 DC jack : 20V7.5A
Max Power Banks	Up to max 5x power banks.
LED Indicator	Always on when power available.
Charging Time	Charging station – 5 docked (DC input power 150W) : 9-10 hours Charging station – 3 docked (DC input power 150W) : 6-7 hours Charging station – 1 docked (DC input power 150W) : 2-3 hours
Size	L= 326.4 W=199.3 H=99
Weight	1088 kg
Compliance	RCM (AS/NZD CISPR32) CE-EMS (EN 55032, EN 55035)

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