



Powerbank 30000 AlwaysOn DC+PD

Quick guide 

420-88



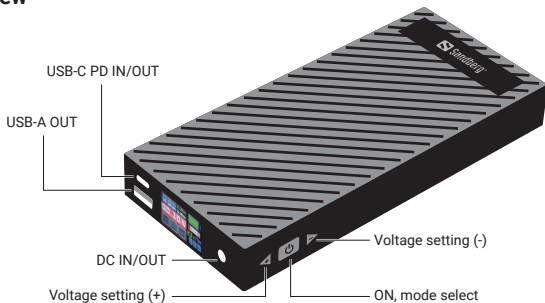
More languages:

[https://sandberg.world/mt/
manual/420-88](https://sandberg.world/mt/manual/420-88)



www.sandberg.world

Overview

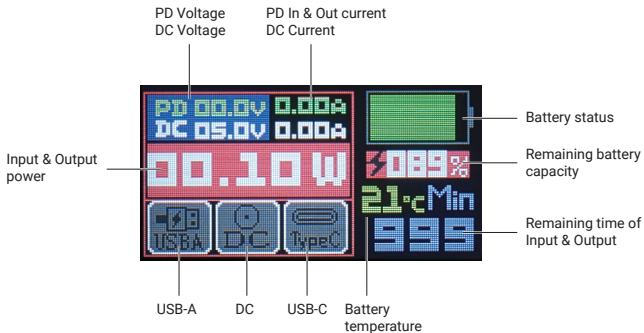


Charging status display

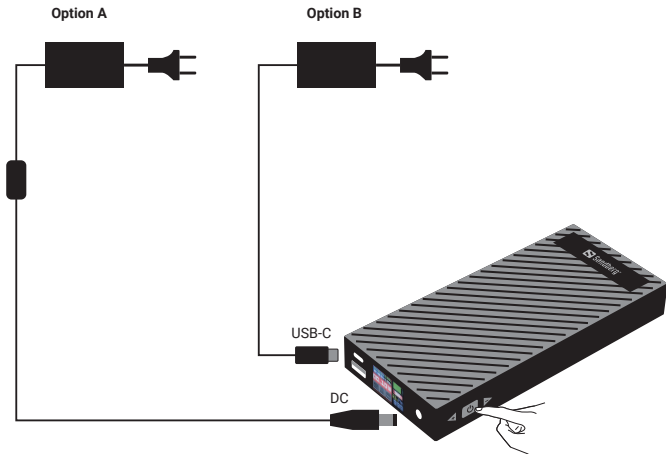


Turn on the powerbank

Display



Charge powerbank

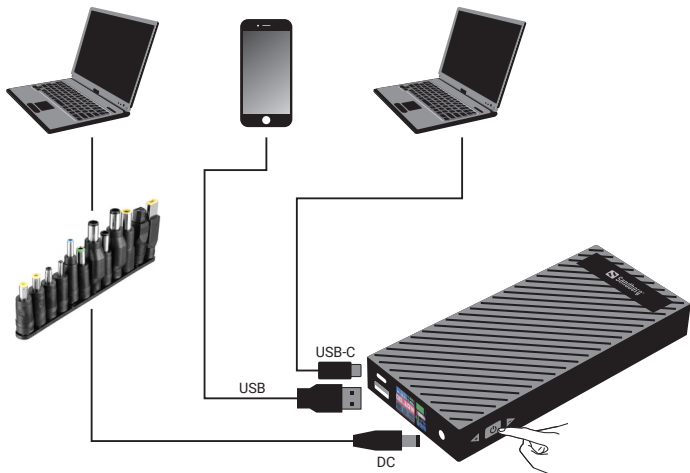


Display symbols when charging the powerbank's internal battery

Symbol	Color	Meaning
	Red	DC port is receiving charge power
	Red	USB-C (PD) port is receiving charge power
	Red	Battery capacity 0-25%
	Yellow	Battery capacity 25-75%
	Green	Battery capacity 75-100% (auto stop at 100%)
		Current battery capacity in %
		Remaining charge time in minutes
		Input power in Watt
		Battery temperature
		Volt and Ampere for DC/DC port in use

Charge by either USB-C or DC, not both

Charging devices



Example of use

Display symbols when charging devices

Symbol	Color	Meaning
	Blue	DC port is supplying output power
	Blue	USB-C (PD) port is supplying output power
	Blue	USB-A port is supplying output power
	Green	Powerbank is in AlwaysOn mode
	Red	Battery capacity 0-25%
	Yellow	Battery capacity 25-75%
	Green	Battery capacity 75-100% (auto stop at 100%)
		Current battery capacity in %
		Remaining charge time in minutes, calculated on current use
		Total output power in Watt
		Battery temperature
		Volt and Ampere for DC/PD port in use

Charging devices

USB-C (PD):

When the charging device is connected to the USB-C port, the "Type-C" symbol lights up in blue. The powerbank will auto detect device Voltage and current, and it will display the values in the top-line of the display "PD info".

USB-A:

In normal mode, when the charging device is connected to the USB-A port, the "USB-A" symbol lights up in blue.

In AlwaysOn-mode the "USB-A" symbol lights up in green constantly. The powerbank will auto detect device Voltage and current. The Voltage and Ampere values of USB-A will not be displayed.

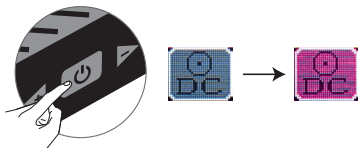
DC:

IMPORTANT in order to avoid damage on laptops and other devices:

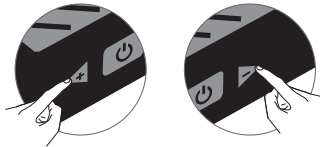
First check the required input Voltage of your device. If you want to charge a laptop, we recommend finding the correct specification on the label of the original AC adapter and match this DC Voltage in the next step. Select the suited adapter tip for your laptop from the included set of adapter tips.

Before connecting the device, you need to set the output DC Voltage of the powerbank on the +/- buttons on the side of the powerbank:

First activate the DC Voltage setting mode by a long press (around 3-5 sec) on the power button until the DC symbol lights up in red color in the display.



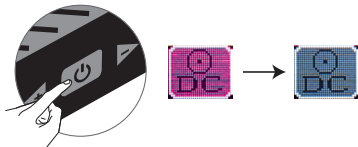
Now you can adjust the Voltage from 3-24V DC by clicking or holding the "+" and "-" buttons.



Follow the DC Voltage in the display DC line here:



After the adjustment of Voltage is correct, long press again on the power button until the DC symbol color light is off. Now the Voltage setting completed.



The set Voltage will be stored in the powerbank memory. But it is recommended to always check the Voltage in the display first before connecting a DC device next time.

AlwaysOn-mode

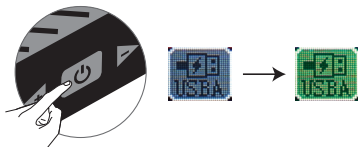
Normally most powerbanks, including this one, will have an auto power off function that will shut down the powerbank for safety reasons if no charge load is connected after around 30 seconds. This will also happen if you connect devices with very low power consumption or maybe various power consumption. This will make charging of such devices impossible.

However, this powerbank is equipped with an AlwaysOn-mode, which will force it to keep ON and ready for charging no matter if there is no or low charge load registered on any of its ports. This will make it possible to charge low current devices or devices with various power consumption.

All ports on the powerbank can work in the AlwaysON-mode.

You simply activate the AlwaysON-mode by a double click on the power-button, after the powerbank is turned on.

The USB-A symbol will change color to green to indicate that the always-ON mode is active.



You can deactivate the AlwaysON-mode again by double-clicking the power-button again.

NOTE:

When in AlwaysON-mode the powerbank will use some of the internal battery capacity by keeping on all its internal circuits and the display. Thus, it will discharge itself in around 8-10 days even if no charge load is connected.

Storage

It's recommended to always store the powerbank in a dry environment and with temperatures between 0° to +40° C. Never expose it to any liquids or high temperatures or even fire. This can cause the battery inside to expand or even explode or catch fire.

If the battery seems expanded or damaged, immediately bring it to a safe waste station for electronic waste.

To keep the battery intact, you need to recharge it at least every 6 months. Otherwise it can decrease its capacity and in worst case it can stop working. This stage of non-function will not be covered by the warranty.



Support

<http://helpdesk.sandberg.world>

Warranty

There is a five-year warranty on your Sandberg product.
Please read the warranty terms and register your new
Sandberg product at www.sandberg.world/warranty

5
Years
Warranty

Powerbank 30000 AlwaysOn DC+PD

Item no. 420-88

Li-Ion Battery capacity: 21.6V/5000 mAh/108Wh (30000 mAh)

USB-C IN/OUT: 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A (PD100W Max, PPS)

DC IN: 5V/5A - 24V/5A (120W Max)

DC OUT: 3V/5A - 24V/5A (120W)

USB-A OUT: 5V/3V, 9V/2A, 12V/1.5A (QC3.0 18W Max)

Total max output all 3 ports simultaneously: 200W balanced load

IEC62368-1
compliant



www.sandberg.world

Sandberg A/S

Bregnerødvej 133D,
3460 Birkerød, Denmark



Made in China



For information on handling electronic waste, see www.sandberg.world/weee