SCX
INNOVATIVE DESIGN ®

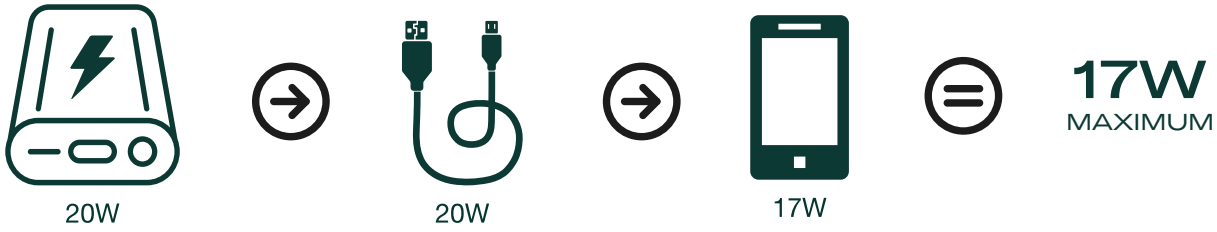
ESSENTIAL GUIDE
TO USING POWERBANKS

1. Charging Technologies

• Wired Charging (USB-A / USB-C)

Wired charging works via a cable connected between the power bank and the device.

• USB-A: standard power output
• USB-C: higher power output and compatible with fast charging and PD.
The actual power delivered is limited by the weakest link among the power bank, the cable, and the connected device.



• Inductive charging

Inductive charging works wirelessly; the device is placed directly on the power bank.

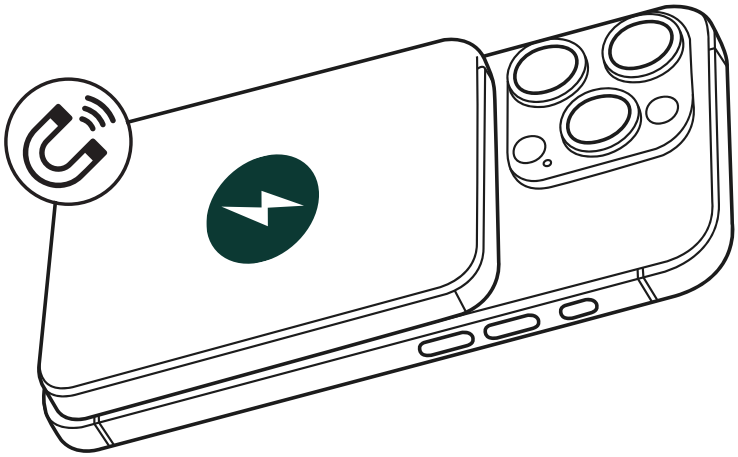
• Requires a compatible device

• Magnetic inductive charging (MagSafe)

Magnetic charging uses a system of magnets to align the device with the charging area.

• Holds the device in place while charging
• Requires a compatible device or a metal ring

At SCX, for non-compatible phones (pre-iPhone 12), a magnetic ring is included.



2. Power and Battery Capacity of the Power Bank

Charging power varies depending on:

- the power bank's capacity
- the technology used (wired or wireless)
- the smartphone model

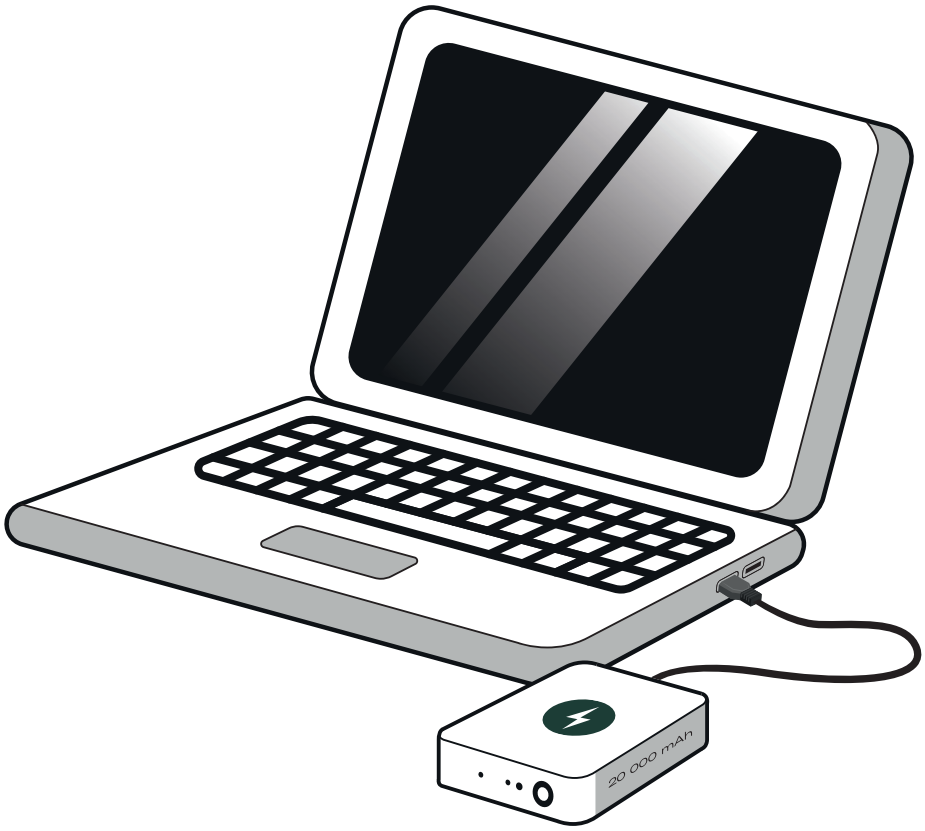
This table summarizes the number of possible loads based on these criteria:

	INDUCTION		WIRED	
	iPhone 15 and +	Androïd	iPhone 15 and +	Androïd
5000 mAH	0,7 x	0,6 x	1 x	0,9 x
10000 mAH	1,5–2 x	1,3–1,5 x	2–3 x	1,8–2 x
20000 mAH	3–4 x	2,5–3 x	4–5 x	3,5–4 x

3. Charging a computer

It is possible to charge a computer using a power bank; this requires:

- USB-C input and output
- a power output greater than 65W
- an optimal capacity of 20,000 mAh



4. What is the PD?

Power Delivery (PD) is a smart charging technology via USB-C that automatically adjusts the power delivered based on the device's needs: when the battery is low, more power is delivered, and it gradually decreases as the charge level increases. Once the phone is fully charged (100%), active charging stops and the system switches to trickle charge mode to prevent overcharging and preserve battery life.

How can I take advantage of this?

Fast charging works only if the power bank, the cable, and the device are all compatible with this technology.

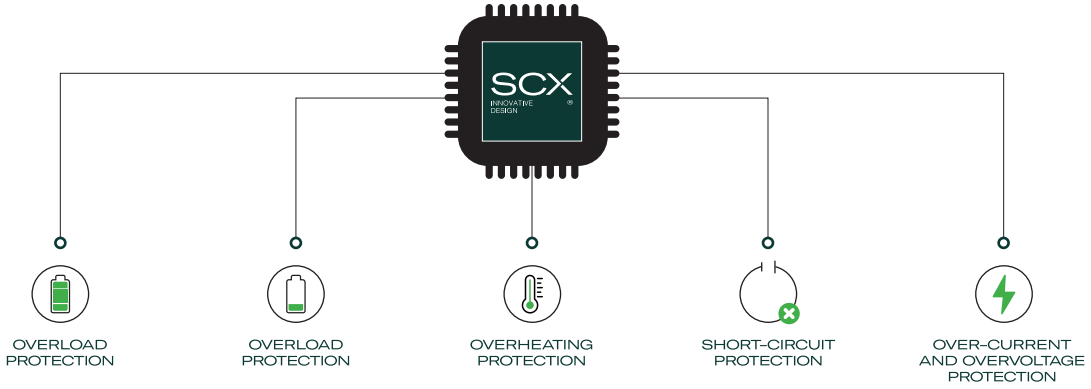


5. Battery Safety – CSR Commitment

The quality of our batteries and their compliance with standards are fundamental criteria; we develop our products with the utmost care to ensure the safety of our users. SCX Design batteries are certified as Grade A, which means they have not been previously recycled and meet the highest safety standards. Their lifespan is approximately 1,000 charge cycles.

All SCX batteries are tested before assembly based on the following criteria:
- resistance to atmospheric pressure and temperature fluctuations
- drop tests (resistance to vibrations and impacts)
- short-circuit and overload protection.

Our IC5306-grade circuit-breaker chips ensure a superior level of safety:



After assembly, the batteries are inspected one by one. All products in the SCX line are tested by a certified laboratory and strictly comply with every provision of European regulations. We provide you with the declaration of conformity as well as the test reports for each item in our line.

SCX batteries come with a 3-year warranty.