

# AeroCharge X100

Portable Solar Power Bank • 20,000 mAh • 60 W USB-C PD

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*Reliable, fast, and green energy in your pocket.*

## Overview

The **AeroCharge X100** is a compact, high-capacity portable power bank designed for professionals, travellers, and outdoor enthusiasts. Combining a 20,000 mAh battery pack with integrated solar trickle-charging and dual high-speed PD ports, the X100 keeps laptops, phones, cameras, and other gadgets powered while reducing dependence on the grid.

## Key Features

- **High Capacity:** 20,000 mAh Li-ion battery delivering up to 60 W USB-C Power Delivery (PD) for fast laptop and device charging.
- **Dual Output:** One USB-C PD (60 W) and one USB-A (18 W QC) allow simultaneous charging of multiple devices.
- **Integrated Solar Panel:** Fold-out solar panel provides emergency trickle-charge for extended outdoor use (solar input: 5 W in ideal sunlight).
- **Smart Battery Management:** Over-voltage, over-current, short-circuit, and temperature protection for safe charging.
- **Compact and Durable:** Rugged polycarbonate shell, IP54-rated splash resistance, and a compact footprint for everyday carry.
- **Eco Mode:** Low-power standby to reduce self-discharge and extend shelf life.

## Technical Specifications

Parameter	Value
	Battery Capacity
20,000 mAh (74 Wh nominal)	
Cell Chemistry	Lithium-ion (IMR)
	USB-C Output (Port 1)
5/9/15/20 V, up to 3 A (60 W PD)	
USB-A Output (Port 2)	5 V/3 A, 9 V/2 A (QC 18 W)
	Input (USB-C PD)
520 V, up to 45 W (fast recharge)	
Solar Input	Monocrystalline fold-out panel, nominal 57 W (varies by sunlight)
	Dimensions
150 mm × 75 mm × 25 mm	
Weight	420 g
	Operating Temp.
0 °C to 40 °C	
Warranty	12 months limited warranty
	Certifications
CE, FCC, RoHS	

## Use Cases

**Travel:** Fast PD charging for laptops on long-haul flights and quick top-ups between meetings.

**Outdoor / Camping:** Keep GPS devices, headlamps, and phones powered when away from power outlets.

**Emergency Preparedness:** Maintain communication and critical device power during outages.

**Content Creators:** Charge cameras, microphones, and a laptop while filming in remote locations.

## Safety and Handling

- Do not expose the battery pack to temperatures above 60 °C or prolonged direct heat.
- Keep away from water immersion despite splash resistance; do not submerge.
- Use only the supplied or certified cables to avoid damage and ensure optimal charging.
- Do not attempt to open or modify the battery pack; servicing must be performed by authorised technicians.

## Package Contents

- AeroCharge X100 portable power bank
- USB-C to USB-C fast-charging cable (60 W rated) — 1 m
- Carry pouch and carabiner
- Quick start guide and safety leaflet

## FAQ

**Q: How long does it take to fully recharge the X100?**

A: Using a 45 W USB-C PD charger, typical recharge time is 2 to 2.5 hours from empty.

**Q: Can I charge a laptop and phone at the same time?**

A: Yes the X100 supports simultaneous output. When two devices draw power concurrently, the available power is shared; USB-C PD negotiates up to 60 W for compatible laptops.

**Q: Is the solar panel intended to fully recharge the unit?**

A: The integrated solar panel is designed for emergency and trickle charging. Full recharge from solar alone will take many hours and depends on sunlight conditions.

## Ordering and Support

For orders, bulk pricing, and technical support, contact:

**AeroCharge Inc.**

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