

Lenovo Self-Charging Bluetooth Keyboard

Self-powered, future-ready.



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technology
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Lenovo

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The Lenovo Self-Charging Bluetooth Keyboard sets a new standard in wireless innovation, blending sustainability with cutting-edge technology. Boasting advanced light-capturing technology, it draws energy from the sun and surrounding light to charge itself — eliminating the need for batteries, cables, or power sockets. Crafted from recycled materials¹, it connects seamlessly to up to three devices via Bluetooth®, helping you stay productive as you earn your green stripes.

Why you need the Lenovo Self-Charging Bluetooth Keyboard



Power and innovation

Tap into groundbreaking technology with the Lenovo first 100% battery-free wireless keyboard. By harnessing energy from dynamic ambient light-collection panels, this keyboard eliminates traditional energy constraints. Its use of supercapacitors ensures a longer lifespan and greater environmental sustainability compared to conventional batteries.



Efficient and sustainable

With cutting-edge light-converting technology, the keyboard's compact panels generate energy triple efficiently than conventional designs—even in low-light conditions. Available in black and white, the black keyboard's cover is made from 95% recycled materials. Packaging for both models is 100% plastic-free and paper-based, minimizing their environmental impact.



Reliable and durable

Built for the demands of today's work-from-anywhere life, this keyboard boasts ultra-low power consumption—just 25% of a standard keyboard. With a full charge, it can last up to 1 month², eliminating any concerns about runtime. With its seamless performance and durability, it's designed to keep pace with your every move.



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¹ 95% recycled materials available in black version only. | ² May vary depending upon the usage.

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Specifications

Performance

Connectivity

Bluetooth® 5.1, Support 3 Devices

Quick Pairing

Microsoft Swift Pair

Keyboard Configurations

X-Direction Key Pitch: 19.05 mm

Y-Direction Key Pitch: 19.05 mm

Switch : Plunger (Spill-resistant)

Key Travel : 2.0 mm

Key Lifecycle : Up to 10 Million Clicks

Keyboard Layout

Varies Depending on the Language

Operating Temperature

Max : 50° C (122° F)

Min : 0° C (32° F)

Relative Humidity

Max : 90%

Min : 10%

Energy Source

Type

No Battery, Supercapacitor to stored energy

Energy Source

Energy harvesting is achieved by collecting ambient light from Photovoltaic Cell

Photovoltaic Cell Type

Amorphous Silicon Photovoltaic Panel

Light Intensity Range

Operates efficiently at light levels as low as 50 lux

Energy Storage System

Supercapacitor, 50F

Supercapacitor

50F

Life Cycle

More than 20,000 Cycles

Operating Time in Complete Darkness

Up to 1 month* of use in a completely dark environment

Recovery Time for Immediate Use

After complete power depletion, the keyboard requires just 2 minutes of exposure to a light source with 300 lux intensity to regain sufficient power for immediate use.

Design

Dimensions (W x D x H)

(mm) : 420 x 151 x 12

(inches) : 16.53" x 5.94" x 0.47"

Weight

Starting at 650 g (1.43 lbs)

Recycled Material

Keyboard covers contain 95% post-consumer recycled content

Tilt Leg

Keyboard Angle : 3° (Tilt Feet Close) / 6.5° (Tilt Feet Open)

LED Indicator

Low-Battery Indicator, Bluetooth® 1, Bluetooth® 2, Bluetooth® 3



Information

Part Numbers (PN)

4Y41R69489 - 4Y41R69516, 4Y41R69789

Supported OS

Compatible with ChromeOS, Windows 10 and above, macOS, iPadOS, iOS, and Android™

Warranty

3 Years

Shipment Group (What's in the Box)

Lenovo Self-Charging Bluetooth Keyboard
Set-up and Information Poster

* Operating time may vary based on usage.

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