

# Lenovo Self-Charging Bluetooth Keyboard

Self-powered, future-ready.



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## Self-powered, future-ready.

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 materials<sup>1</sup>, 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 month<sup>2</sup>, 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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## 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, 4Y41S31209,  
4Y41T52152, 4Y41U73220, 4Y41U79381

#### 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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