

ENERGYSHROOM
PB465 TURBO X



USER MANUAL

boAt

ENERGYSHROOM PB465 TURBO X

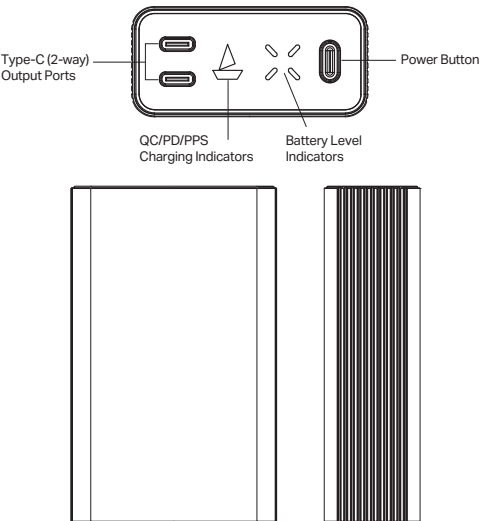
Thank you for choosing the EnergyShroom PB465 Turbo X by boAt to power up your cherished devices. This high-capacity 20000mAh power bank features a Li-ion polymer battery and is designed to deliver a safe, fast, and efficient charging experience. This manual will walk you through everything you need to know, from features to functionality. Read it thoroughly before first use to ensure a smooth sail. You can always refer back to these instructions whenever needed.



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PRODUCT OVERVIEW



FEATURES BREAKDOWN

- Massive 20000mAh capacity with smart power management for extended usage. Supports lightning-fast charging with 2-Way 65W Turbo Fast Charging, compatible with QC 3.0, PD, and PPS protocols.
- Equipped with dual Type-C (2-way) ports for both input and output, enabling seamless multi-device connectivity on the go.
- Stay protected with advanced 12-layer Smart IC protection against short circuits, overcharging, and over-discharging.
- Intelligent input/output control with intuitive LED indicators to display power and charging status.
- Confidently rugged and elegantly designed, featuring a high-temperature and scratch-resistant build for lasting durability.
- Pass-through charging allows you to power up the power bank while it simultaneously charges your devices.
- Includes a high-quality Type-C cable for fast and safe charging, ready to plug and play right out of the box.
- Backed by a 1-year domestic warranty for added peace of mind.

LED BATTERY INDICATORS

- When you press the power button, the LED indicators will light up. The LEDs are arranged in a cross-style layout on the top panel, providing an intuitive view of the battery status.

Refer to the table below to understand the battery level in relation to the LED indicators:

LED Display	Battery Level
1 LED On	0-25%
2 LEDs On	25-50%
3 LEDs On	50-75%
4 LEDs On	75-100%
Green LED (boAt Logo)	Fast Charging Active (QC 3.0 / PD / PPS)

- During fast charging or fast discharging, the boAt logo glows green, indicating that Quick Charge 3.0, Power Delivery (PD), or PPS advanced charging protocols are active.

POWER BUTTON FUNCTIONS

Use the power button to access essential controls on your power bank:

Action	Function
Single Press	• Turns on the LED indicators. • Displays the battery level and charging status.
Double Press	• Turns off the LED indicators. • Stops charging the connected device.
Press & Hold	• Resets the power bank to default state.

Note: The power bank starts charging the connected devices automatically. No button press required.

CHARGING THE POWER BANK

The PB465 Turbo X supports two-way fast charging via its dual Type-C ports. Use any compatible Type-C cable and power adapter for efficient charging. Follow the steps mentioned below to charge the power bank:

- 1.Connect one end of a Type-C cable to either of the Type-C ports on the power bank.
- 2.Plug the other end into a compatible wall adapter (supports QC 3.0 / PD / PPS for fast charging).
- 3.The LED indicators will blink based on the current battery level during charging.
- 4.All four LEDs will stay solid when the power bank is fully charged.
- 5.The boAt logo LED will glow green, when QC 3.0 / PD / PPS fast charging is active.

Tip: Use a charger rated 18W or higher to take full advantage of fast charging capabilities.

Disclaimer:
Features may vary by product model. For detailed specifications, please refer to the product user guide.
Due to ongoing improvements, specifications are subject to change without prior notice. We continuously enhance our products to ensure the highest quality.

CHARGING YOUR DEVICES

With dual 2-way Type-C ports, the power bank allows you to charge multiple devices at once.

- **Output Port 1:** Connect your device to the power bank using a compatible Type-C to Type-C cable.
- **Output Port 2:** You can charge a second device using another Type-C cable connected to the second Type-C port.
- **Start Charging Manually:** If charging doesn't begin automatically, press the power button once to initiate it.

Note: Both Type-C ports support fast charging up to 65W with compatible devices.

PASS-THROUGH CHARGING

The power bank supports pass-through charging, allowing it to be charged while charging connected devices at the same time.

Note: Charging and discharging speeds may reduce slightly to maintain safe temperatures.
For best results, use a PD or QC-compatible adapter and certified Type-C cables.

CHARGING NORMS & PRECAUTIONARY GUIDELINES:

- **Charger / Adapter:** Use a power adapter rated at 5V=2A for standard charging.
- **Cable / Wire:** Use standard Type-C cables (recommended: 35 strands at 0.10mm diameter per strand) for optimal performance.
- Ensure all accessories used meet the required specifications.

PRODUCT SPECIFICATIONS

Capacity	20000mAh (77Wh)
Rated Capacity	13500mAh @ 5.0V (TYP 2A)
Dimensions	35 mm x 114 mm x 94 mm
Battery Type	Li-ion polymer
Input 1 (Type-C)	5V=3A, 9V=3A, 12V=3A, 20V=3.25A
Input 2 (Type-C)	5V=3A, 9V=3A, 12V=2.9A, 20V=1.75A
Input Ports	2x Type-C (2-Way)
Output Ports	2x Type-C (2-Way)
Output 1 (Type-C)	5V=3A, 9V=3A, 12V=3A, 15V=3A, 20V=3.25A; PPS 3.3V-11.0V=5A
Output 2 (Type-C)	5V=3A, 9V=3A, 12V=3A, 15V=3A, 20V=3.25A; PPS 3.3V-11.0V=5A
Output (Type-C 2-Way Port)	5V=3A, 9V=3A, 12V=2.9A, 15V=2.33A, 20V=1.75A, 3.3V-11V=3A (PPS)
Fully Charged by 9V=2A Adapter	6 hrs 30 min ± 10 min
Fully Discharged by 18W load	3 hrs 30 min ± 10 min
Operating Environment	-10°C to 55°C
Overcurrent Protection	Protected (3.6±0.10A)
Over Charging Voltage Protection	16±0.05V
Short Circuit Protection	Protected
Body Temperature Cut Off	Yes (55-60° Celsius)

WEEE INFORMATION

This device and any electrical accessories are compliant with local applicable rules on the restriction of the use of certain hazardous substances in electrical and electronic equipment

IMPORTANT USER INSTRUCTIONS

- Charge the power bank fully before first use for the optimal performance.
- Avoid leaving the power bank unattended in a vehicle, especially in direct sunlight.
- Keep the power bank away from children to prevent accidental misuse.
- The device should be protected from physical shocks, drops, or vibrations.
- If the power bank is fully discharged, make sure to recharge it promptly.
- Do not overcharge—avoid leaving the power bank connected to power for more than 24 hours.
- Ensure the charging current and voltage do not exceed the specified limits provided by the manufacturer.

WARNING

- Do not drop, decompose, impact the device or repair it on your own.
- Do not put this product in water, exposed to fire or direct sunlight.
- Do not use the product around combustible gas. It may catch fire and/or cause burns.
- Do not disassemble or attempt to replace the Li-polymer battery under any circumstance, as it may damage the device permanently.

E- WASTE MANAGEMENT

As per government rules, all E-wastes are to be managed by effective treatment under specialized methodologies prescribed by the Govt. of India.
Do not dispose the product as unsorted municipal waste. The waste will be treated as per the norms set by the pollution control board. Please contact customer care for getting guidance on proper disposal of this product.

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