

 **powercool**

**The Next
Generation
Portable AC**



**Real Air Conditioning
Right in your Hands**

Portable Air Conditioner. Born to be the Ultimate Handy Cooling Solution



Innovative 'Handy' designs have emerged like never before — offering an experience unlike anything you've encountered. This marks a historic moment as portable air conditioners evolve into advanced electronics.

In the next image, prepare for an even more extraordinary experience.

Get ready!

Take a closer look.

Within this single image
lies the world and
the remarkable technology
that will leave you in awe.



Did you spot it?

Yes, that's right. It separates!
From a portable air conditioner you can take anywhere,
the outdoor unit can be detached!

Splittable Indoor-Outdoor Portable Air Conditioner

POWER COOL



For 120 years, air conditioners have remained stationary.
Now, the era of mobile air conditioning begins with a new name.

POWERCOOL

Move@Change°C

The Manufacturing Philosophy
behind POWERCOOL

No Compromise for Coolness



01 __ **Commitment to the Work Environment**

We prioritize technology to enhance the work environment

02 __ **Driven by Necessity**

By exploring the essence of cooling, we pursue essential technologies

03 __ **Purpose-Driven Functionality**

We strive for only the most effective functions that fulfill their purpose

04 __ **Exceeding Expectations**

Our focus is on delivering results that go beyond consumer expectations

05 __ **Quality Manufacturing**

We invest in meticulous processes to minimize product defect rates and ensure excellence

3 Reasons Why You Must Choose a PowerCool Handy

A True Portable Air Conditioner

While many claim to offer 'all-in-one' portable air conditioners, these terms often conceal the limitations of their technology. These products lack the core advancements necessary for genuine cooling. Anyone can produce an all-in-one portable unit, but true portability with real cooling performance is a different story. **POWERCOOL Handy is the world's first and only truly portable air conditioner.**



Ultimate Portable Air Conditioning Solution

Conventional camping air conditioners often fail to deliver on their promises. In fact, 80% of consumers who purchased these products say, "Don't buy portable air conditioners!" **These traditional units, which attach the outdoor component to the indoor unit, simply cannot cool effectively.** Real air conditioning requires the separation of indoor and outdoor units — this is the key technology that POWERCOOL Handy uniquely offers, making it the coolest camping air conditioner in the world.

Quite Comfort, Anywhere

You leave the city to escape its noise, seeking tranquility and relaxation. However, conventional camping air conditioners bring the noise with them, disrupting the peace. Why sacrifice the serenity of your retreat just for some cool air? **With POWERCOOL Handy, the outdoor unit, the main source of noise and heat, is placed outside, ensuring your indoor space remains quiet and cool.** POWERCOOL Handy is the first air conditioner in the world to successfully separate the indoor and outdoor units, providing both powerful cooling and peaceful comfort.

A New Standard for Portable Air Conditioners!

Experience it in these environments



Camping and Outdoor Activities

Perfect for camping trips and family outings.



Outdoor Events

Ideal for events, outdoor performances, and gatherings.



Celebrity Waiting Rooms

A must-have for makeup rooms and waiting areas.



Work Sites

Essential for indoor renovation sites and locations requiring frequent mobility.

Problems with Conventional Portable Air Conditioners

01

Low Cooling Efficiency

Inherent structural limitation of Conventional Portable Air Conditioner 1

Conventional all-in-one portable ACs are built to combat heat from the start.

These units combine indoor and outdoor components, leading to simultaneous cooling and heat generation.

This design flaw creates a vicious cycle

where cool air is repeatedly drawn back into the compressor, reheated, and ultimately fails to lower the temperature below a certain point.

Air conditioners should be about enjoying coolness, not just temporarily fending off the heat.

02

External Hot Air Inflow Due to Negative Pressure

Inherent structural limitation of Conventional Portable Air Conditioner 2

Conventional all-in-one portable ACs cool their compressors by drawing in indoor air.

This process creates a negative pressure inside, making the indoor air pressure lower than the outside air pressure.

In tents, where complete sealing is impossible, this results in continuous inflow of hot external air through gaps around ducts, increasing indoor temperatures.

The negative pressure can also cause the tent to collapse inward, adding to the discomfort with additional noise.

Problems with Conventional Portable Air Conditioners

03

Excessive Noise

Inherent structural limitation of Conventional Portable Air Conditioner 3

Imagine having the outdoor unit indoors — it's bound to be noisy.

No one likes dealing with heat,

so when they try to cool down by turning the AC up, the noise only gets worse.

Instead of creating a peaceful retreat,

it turns your space into a louder environment.

As summers around the world grow hotter, this becomes even less ideal

04

Inconvenience of Installation

Inherent structural limitation of Conventional Portable Air Conditioner 4

Many believe that all-in-one portable ACs are easy to install.

However, duct modification has become a common issue with these units.

To minimize the negative effects of internal circulation and sound pressure, separate intake ducts are often required.

But once you go through the hassle of installing these ducts, your so-called portable air conditioner becomes stationary, defeating the purpose of a portable solution.

Powercool: Leading the Way in Cutting-Edge Technology!

Revolutionary Technology for
the World's First Splittable Portable AC #1

QUICK

CONNECTION

TECHNOLOGY™



Traditional air conditioners have been limited to fixed installations due to the welded pipes, leading to the creation of inefficient all-in-one units (with both indoor and outdoor components combined). POWERCOOL's globally patented Quick Connection Technology™ is a breakthrough innovation that allows pipe disconnection without refrigerant loss, thanks to advanced valve sealing inside the connector. This technology is exclusively owned by POWERCOOL.

Revolutionary Technology for the World's First Splittable Portable AC #2



FLEXIBLE

CONNECTION

TECHNOLOGY™

POWERCOOL's unique technology integrates high-pressure, low-pressure, power, and drain connection hoses into a single flexible hose.

This design allows the indoor unit to be moved freely without space restrictions, while still separating it from the outdoor unit for optimal portability.

POWERCOOL Handy's Distinct Advantages



Versatile Functionality: Use It as split-unit or a single-unit

POWERCOOL Handy offers the flexibility of both split-unit and single-unit configurations.

In environments that demand rapid cooling, such as outdoor settings, it can function as a fully integrated unit.

For spaces where comfortable cooling is essential, the outdoor unit can be easily separated.

Additionally, with the option of a duct for intensive spot cooling, POWERCOOL Handy provides targeted comfort.

This versatility makes POWERCOOL Handy truly unmatched.



Superior Cooling Compared to All-in-One Portable ACs

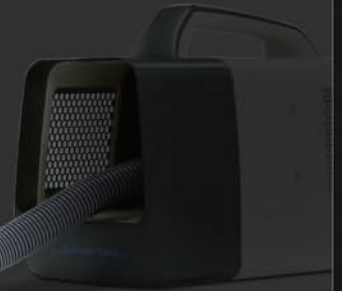
POWERCOOL Handy is a genuine portable air conditioner with a separated outdoor unit.

By placing the outdoor unit outside, it delivers cooling performance comparable to the traditional split ACs you use at home.

Experience faster, more effective cooling during your camping adventures.



POWERCOOL Handy's Distinct Advantages



Quieter Operation than All-in-One Portable ACs

One major drawback of traditional all-in-one portable ACs is their noise level. Since the outdoor unit is integrated indoors, the noise can be quite disruptive. POWERCOOL Handy, with its separable outdoor unit, eliminates this issue entirely, providing you with a truly peaceful environment for relaxation and healing.



Greater Flexibility in Placement and Mobility

Many users of all-in-one portable ACs quickly realize that despite being labeled as "portable", these units are actually difficult to move. They require an exhaust duct to expel heat from the cooling fan and an additional intake duct to draw in the air needed for cooling. This setup essentially turns a "portable" AC into a stationary one. POWERCOOL Handy offers true mobility, making it far easier to place and move according to your needs.

POWERCOOL Handy's Distinct Advantages

Power Options for Ultimate Flexibility

POWERCOOL Handy can be powered either by a standard plug or an optional battery, making it functional even in areas without access to electricity.

With its robust 900W battery, POWERCOOL Handy can run for up to four hours, delivering continuous cooling wherever you need it.



Portable with One-Handed Ease

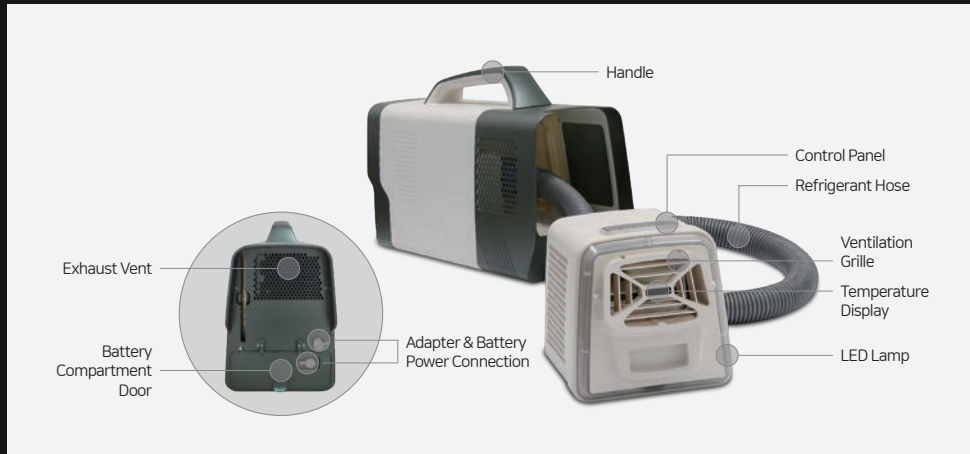
Easily move POWERCOOL Handy from one tent to another with one hand.

Unlike the cumbersome assembly and structure of traditional split ACs and all-in-one portable units, POWERCOOL Handy is designed for effortless portability.

Remember, it's an air conditioner you can truly carry with you.



Product Specifications



Powercool Handy

Product Colors	Orange / Green / Blue
Cooling Capacity	650 W
Power Source	DC 24V (220V/DC 24V, 10A Adapter)
Dimension for Indoor Unit	200mm(W) x 265mm(D) x 200mm(H)
Dimension for Outdoor Unit	220mm(W) x 620mm(D) x 300mm(H)
Weight for Indoor Unit	8 lb (3.6 kg)
Weight for Outdoor Unit	17.5 lb (7.9 kg)
Weight for Refrigerant Hose (1.5M)	5.5 lb (2.5 kg)
Power Consumption	240 W
Running Current	10 A
Refrigerant	R-134a

Battery

Battery Type	18650 Lithium-Ion Polymer Battery
Battery Capacity	24V 40Ah 960Wh
Dimension for Battery	195mm(W) x 535mm(D) x 68mm(H)
Weight for Battery	10.5 lb (4.7 kg)



Address: 17, Sinsojaesandan 2-ro, Jangan-eup,
Gijang-gun, Busan, 46031 South Korea

TEL: +82-55-715-8868

E-mail: powerair@powercoolair.com

Web: www.powercoolair.com